

Pursuant to the authority vested in California Air Resources Board by Health and Safety Code (HSC), Division 26, Part 5, Chapter 2; and pursuant to the authority vested in the undersigned by HSC Sections 39515 and 39516 and Executive Order G-19-095;

IT IS ORDERED AND RESOLVED: That the following exhaust and evaporative emission control systems produced by the manufacturer are certified as described below. Production vehicles shall be in all material respects the same as those for which certification is granted.

|                                                                                            |                                       |                                        |                   |                | TEST GRO                  | UP IN | NFOR   | MATION                                  |                |                                                          |                                      |  |  |
|--------------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------|-------------------|----------------|---------------------------|-------|--------|-----------------------------------------|----------------|----------------------------------------------------------|--------------------------------------|--|--|
| MODE<br>YEAF                                                                               |                                       | EST GROUP                              | VEHICLE CLASS(ES) |                |                           |       |        | FUEL CATEGORY                           |                |                                                          | FUEL TYPE                            |  |  |
| 2025                                                                                       | 5 S                                   | KMXV02.5DP7                            |                   |                | PC                        |       |        | DEDICATED SINGLE FUEL<br>VEHICLE        |                |                                                          | GASOLINE                             |  |  |
| USEFUL LIFE (miles) VEHICLE EMISSION                                                       |                                       |                                        |                   |                |                           |       |        | EGORY INTERIM / INTERMEDIATE IN-USE STD |                |                                                          |                                      |  |  |
| EXH                                                                                        | I/ORVR                                | EVAP                                   |                   | FTP SFTP       |                           |       |        | FTP                                     |                | SFTP                                                     |                                      |  |  |
| 15                                                                                         | 50000                                 | 150000                                 | LEV3              | ULEV70         | LEV                       | 3 CC  | *      |                                         |                |                                                          |                                      |  |  |
| SPECIAL FEATURES & EXHAUST EMISSION CONTROL<br>SYSTEMS                                     |                                       |                                        |                   |                |                           | L     |        | OBD S                                   | TATUS          | EN                                                       | ENGINE DISPLACEMENT<br>(L)           |  |  |
| 1                                                                                          | DFI, SFI, WR-HO2S, HO2S, TWC, TC, CAC |                                        |                   |                |                           |       |        | FULL                                    | ALL MODELS     |                                                          |                                      |  |  |
| *                                                                                          | *                                     |                                        |                   |                |                           |       |        | ARTIAL *                                |                |                                                          | 2.5                                  |  |  |
| *                                                                                          |                                       |                                        | *                 |                |                           |       |        | TIAL WITH                               | *              |                                                          |                                      |  |  |
| EVAPORATIVE & REFUELING (EVAP/ORVR) FAMILY INFORMATION                                     |                                       |                                        |                   |                |                           |       |        |                                         |                |                                                          |                                      |  |  |
| EVAP / ORVR FAMILY EVAPORATIVE STD CATEGORY EVAP EMISSION STD VEHICLE CLASS SPECIAL FEATUR |                                       |                                        |                   |                |                           |       |        |                                         | ECIAL FEATURES |                                                          |                                      |  |  |
| 1                                                                                          | skmxr0                                | 131DPG                                 |                   | LEV 3          | OPTION2                   |       |        | I                                       | PC             | HCT                                                      |                                      |  |  |
|                                                                                            |                                       |                                        |                   | E              | EMISSION CI               | REDIT | r info | ORMATION                                |                |                                                          |                                      |  |  |
|                                                                                            | REDIT F                               | OX FLEET AVE.<br>OR EXTENDED<br>RRANTY | 1                 |                | EDIT FOR N<br>ZERO-EVAP   | ON-P  | ZEV    | NMOG CREDIT FOR DOR                     |                |                                                          | OPTIONAL EXH. STD<br>FOR WORK TRUCKS |  |  |
|                                                                                            |                                       | N                                      |                   |                | N                         |       |        | N N                                     |                |                                                          |                                      |  |  |
|                                                                                            |                                       |                                        |                   | NMOG           | AND FLEET                 | AVE   | RAG    |                                         | TION           |                                                          |                                      |  |  |
| NMOG<br>RAF                                                                                | CH4<br>RAF                            | FTP<br>NMOG/NMHC<br>RATIO              |                   | O/NMHC<br>ATIO | NMOG+NO<br>PC+LDT (<br>(g |       |        |                                         |                | NMOG+NOX FLEET STD<br>MDV (10,001-14,000<br>GVWR) (g/mi) |                                      |  |  |
| *                                                                                          | *                                     | 1.10                                   |                   | *              | 0                         | .030  |        |                                         | 0.030          |                                                          | *                                    |  |  |

See the Attachment for Vehicle Models, Evaporative Family, Engine Displacement, Emission Control Systems, Phase-In Standards, OBD Compliance, Emission Standards and Certification Levels, and Abbreviations. (As applicable, heavy-duty vehicles (HDV) over 14,000 pounds in GVWR listed in this Executive Order are certified to the requirements in 13 CCR Section 1961.2 applicable to MDV pursuant to 13 CCR Section 1956.8(c)(3) or 13 CCR Section 1956.8(h)(5), as applicable.)



## BE IT FURTHER RESOLVED:

The exhaust and evaporative emission standards and the certification emission levels for the listed vehicles are as listed on the Attachment. Compliance with the 50° Fahrenheit testing requirement may have been met based on the manufacturer's submitted compliance plan in lieu of testing. Any debit in the manufacturer's fleet average compliance requirement for NMOG+NOx or Vehicle Equivalent Credit (13 CCR Sections 1961.2(b)(1), 1961.2(b)(3), or 1961.2(c) (3), and the incorporated test procedures, as applicable), or Greenhouse Gas Emissions (13 CCR Section 1961.3, or 17 CCR Section 95663, and the incorporated test procedures, as applicable), for PC, LDT, MDPV or MDV shall be equalized as required.

#### BE IT FURTHER RESOLVED:

For the listed vehicle models, the manufacturer has attested to compliance with Title 13, California Code of Regulations, (13 CCR) Sections 1965 [emission control labels], 1968.2 [on-board diagnostic, full or partial compliance], 2035 et seq. [emission control warranty], 2235 [fuel tank fill pipes and openings] (gasoline and alcohol fueled vehicles only), and "High-Altitude Requirements" and "Inspection and Maintenance Emission Standards" (California 2015 and Subsequent Model Criteria Pollutant Exhaust Emission Standards and Test Procedures and 2017 and Subsequent Model Greenhouse Gas Exhaust Emission Standards and Test Procedures for PC, LDT and MDV).

Vehicles certified under this Executive Order shall conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this Executive Order.

Executed on this 4th day of April 2024.

Kina Yacoukian for

Robin U. Lang, Chief Emissions Certification and Compliance Division



FUEL TYPE

# ATTACHMENT

## EXHAUST AND EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION LEVELS

### EXHAUST EMISSION STANDARDS AND CERTIFICATION LEVELS (FTP, HWFET, 50°F, 20°F)

CH4: methane; NMOG: non-CH4 organic gas; HC: hydrocarbon; NMHC: non-CH4 HC; CO: carbon monoxide; NOx: oxides of nitrogen; HCHO: formaldehyde; PM: particulate matter; RAF: reactivity adjustment factor; 2DHS/3DHS [g HC/test]: 2/3 days diurnal+hot-soak; RL [g HC/mi]: running loss; ORVR [g HC/gallon dispensed]: on-board refueling vapor recovery; g: gram; mg: milligram; mi: mile; K: 1000 miles; F: degrees Fahrenheit; FTP: federal test procedure; SFTP: supplemental FTP

|             |                        | NMOG+NOx<br>(g/mi) |          |           | C<br>(g/I | -       |      | NOx HCHO<br>(g/mi) (mg/mi) |           |     | PM<br>(g/mi) |       |  |
|-------------|------------------------|--------------------|----------|-----------|-----------|---------|------|----------------------------|-----------|-----|--------------|-------|--|
|             |                        |                    | CERT     | STD       | CERT      | STD     | CERT | STD                        | CERT      | STD | CERT         | STD   |  |
| FTP@50K     |                        | *                  | *        | *         | *         | *       | *    | *                          | *         | *   | *            | *     |  |
| FTP@UL      | GASOLINE-<br>TIER3 E10 |                    | 0.031    | 0.070     | 0.7       | 1.7     | *    | *                          | *         | 4   | 0.000        | 0.003 |  |
| 50°F @4K    |                        | SOLINE-<br>R3 E10  | 0.040    | 0.140     | 0.4       | 1.7     | *    | *                          | *         | 16  |              |       |  |
|             |                        |                    |          |           | F         |         | NN   | IOG+N                      | Ox (g/mi) |     | CO (g/m      | i)    |  |
|             | FUEL TYPE              |                    |          |           |           | CE      | RT   | STD                        | CER       | Т   | STD          |       |  |
| HWFET @ 50K |                        |                    |          | *         |           |         | *    | *                          |           | *   |              |       |  |
| HWFET @ U   |                        |                    | GASOI    | LINE-TIEF | R3 E10    |         | 0.0  | )14                        | 0.070     |     |              |       |  |
| 20°F @ 50K  |                        | COLD               | CO E10 R | EGULAR G  | ASOLINE   | (TIER3) | 0.6  |                            |           |     |              | 10.0  |  |

#### SFTP EXHAUST EMISSION STANDARDS AND CERTIFICATION LEVELS

|                                                                       |                                                                                        | 351                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                         | INAU                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                | 122101                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | STANDA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1602                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | CERTIFIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ATION LE                                                                                                                                                                                                                                                                                                                                                                                                                                                         | VELO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |
|-----------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
|                                                                       |                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                         |                                                                                        | ι                                                                                                                                                                                                                                                                                                                                                                                                                              | JS06                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | SC03                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | С                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | OMPOS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ITE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |
| FUEL TYPE                                                             |                                                                                        | NMOG+NOx                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                         | Ox                                                                                     | CO                                                                                                                                                                                                                                                                                                                                                                                                                             | PI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | М                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | NMOG+NOx                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | СО                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | NMOG+NC                                                                                                                                                                                                                                                                                                                                                                                                                                                          | )x C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | PM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |
|                                                                       |                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | (g                                                                                                                                                                                                                      | g/mi)                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                | (g/mi)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | (mg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | /mi)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | (                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | g/mi)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | (g/mi)                                                                                                                                                                                                                                                                                                                                                                                                                                                           | (g/mi)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | (g/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | mi)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | (mg/mi)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |
| @4K *                                                                 |                                                                                        | CERT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ۲۲                                                                                                                                                                                                                      |                                                                                        | *                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |
|                                                                       |                                                                                        | STD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                         | *                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                | *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | *                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |
|                                                                       |                                                                                        | CERT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                         | *                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                | * 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | *                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0.027                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | .7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |
|                                                                       |                                                                                        | STD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                         | *                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                | *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | e                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | *                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0.050                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0.050 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |
|                                                                       |                                                                                        | BIN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                         |                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.070                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |
| WHOLE VEHICLE EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION LEVELS |                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                         |                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |
|                                                                       |                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                         |                                                                                        | W                                                                                                                                                                                                                                                                                                                                                                                                                              | HOLE VEHICLE EVAPORATIVE TESTING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |
| ORATIVE                                                               | VE FUEL TY                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | E                                                                                                                                                                                                                       | 3DHS (g/                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                | /test) @                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ) UL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2DH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | IS (g/test)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | @ UL                                                                                                                                                                                                                                                                                                                                                                                                                                                             | F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | RL (g/m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | /mi) @ UL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |
|                                                                       |                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                         | CER                                                                                    | T S                                                                                                                                                                                                                                                                                                                                                                                                                            | STD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | FEL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | CEF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | RT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | STD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | FEL                                                                                                                                                                                                                                                                                                                                                                                                                                                              | CE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | RT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | STD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |
|                                                                       |                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                         | 0.18                                                                                   | 6 0.                                                                                                                                                                                                                                                                                                                                                                                                                           | 300                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 03                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.300                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | *                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | L 0.05                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |
| ORVR / FUE                                                            | EL O                                                                                   | ONLY / CA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ANIS                                                                                                                                                                                                                    | TER                                                                                    | BLEED                                                                                                                                                                                                                                                                                                                                                                                                                          | EVAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ORATIVE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | EMIS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | SION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | STANDA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | RDS AND                                                                                                                                                                                                                                                                                                                                                                                                                                                          | CERTIFICA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | TION L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | EVE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | LS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |
|                                                                       |                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                         |                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | FU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | JEL C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | NLY EVA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | P & CANIS                                                                                                                                                                                                                                                                                                                                                                                                                                                        | TER BLEE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |
| ORATIVE<br>AMILY                                                      | ORVR (                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | g/gallon) @ UL                                                                                                                                                                                                          |                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                | FUEL TYPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |
|                                                                       | FUI                                                                                    | EL TYPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | CE                                                                                                                                                                                                                      | RT                                                                                     | STD                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | CEI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | RT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | STD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | CERT                                                                                                                                                                                                                                                                                                                                                                                                                                                             | STD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | CER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Г                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | STD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |
| R0131DPG                                                              |                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0.                                                                                                                                                                                                                      | 01                                                                                     | 0.20                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | •                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | *                                                                                                                                                                                                                                                                                                                                                                                                                                                                | *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |
|                                                                       | *<br>GASOLIN<br>TIER3 E<br>ORATIVE<br>MILY<br>0131DPG<br>DRVR / FUI<br>ORATIVE<br>MILY | * GASOLINE-<br>TIER3 E10 WH ORATIVE ORATIVE ORATIVE ORVR / FUEL C ORATIVE | FUEL TYPE  FUEL TYPE  CERT  GASOLINE- TIER3 E10  GASOLINE- ORATIVE ORATIVE CORVR / FUEL ONLY / CA ORATIVE ORATIVE CORVR / FUEL ONLY / CA ORATIVE ORATIVE CORVR (g/ ORATIVE CASOLINE CASOLINE CASOLINE CASOLINE CASOLINE | FUEL TYPE     NMO<br>(g<br>(g)<br>(g)<br>(g)<br>(g)<br>(g)<br>(g)<br>(g)<br>(g)<br>(g) | FUEL TYPE       NMOG+N<br>(g/mi)         *       CERT       *         GASOLINE-<br>TIER3 E10       CERT       *         GASOLINE-<br>TIER3 E10       STD       *         BIN       *       BIN         WHOLE VEHICLE EVA       GASOLINE-<br>LEV3 E10       0.18         ORATIVE<br>MILY       GASOLINE-<br>LEV3 E10       0.18         ORATIVE<br>MILY       ORVR (g/gallon) @         ORATIVE<br>MILY       ORVR (g/gallon) @ | FUEL TYPE         Image: Center of the second s | US06NMOG+NOX<br>(g/mi)COFUEL TYPECERT** $*$ STD**GASOLINE-<br>TIER3 E10STD**WHOLE VERICLE EVAPORATIVE EWHOLE VEHICLE EVAPORATIVE EORATIVE<br>MILYWHOLE VEHICLE EVAPORATIVE EORATIVE<br>GASOLINE-<br>LEV3 E100.1860.300ORVR / FUEL ONLY / CANISTER BLEED EVAPORVR (g/gallon) @ ULFUEL TYPEFUELORVR / FUEL ONLY / CANISTER BLEED EVAPORVR (g/gallon) @ ULFUEL TYPEFUELORVR (g/gallon) @ ULFUEL TYPECERTSTDORVR (g/gallon) @ ULFUEL TYPECERTSTD <td>US06       FUEL TYPE     NMOG+NOx<br/>(g/mi)     CO<br/>(g/mi)     Pl<br/>(g/mi)       *     CERT     *     *       STD     *     *     *       GASOLINE-<br/>TIER3 E10     STD     *     *     6       BIN     *     *     6       BIN     *     *     6       WHOLE VEHICLE EVAPORATIVE EMISSION       ORATIVE<br/>MILY     FUEL TYPE     3DHS (g/test) @ UL       CERT     STD     0.186     0.300       ORVR / FUEL ONLY / CANISTER BLEED EVAPORATIVE<br/>MILY     ORVR (g/gallon) @ UL     FUEL TYPE       ORATIVE<br/>MILY     ORVR (g/gallon) @ UL     FUEL TYPE</td> <td>US06         FUEL TYPE       US06         FUEL TYPE       NMOG+NOx<br/>(g/mi)       CO<br/>(g/mi)       PM<br/>(mg/mi)         *       CERT       *       *       ·         GASOLINE-<br/>TIER3 E10       STD       *       *       0         GASOLINE-<br/>TIER3 E10       STD       *       *       0         GASOLINE-<br/>TIER3 E10       STD       *       *       6         BIN       WHOLE VEHICLE EVAPORATIVE EMISSION STAN         ORATIVE<br/>MILY       FUEL TYPE       3DHS (g/test) @ UL       VHOLE VEHICLE EVAPORATIVE EMISSION STAN         ORATIVE<br/>MILY       GASOLINE-<br/>LEV3 E10       0.186       0.300       *       0.2         ORVR / FUEL ONLY / CANISTER BLEED EVAPORATIVE EMIS<br/>ORVR (g/gallon) @ UL       FUEL TYPE       FUEL TYPE       GasoLINE-<br/>(gasoLINE-<br/>(gasoLINE-)       JUEL TYPE       GasoLINE-<br/>(gasoLINE-)       JUEL TYPE       Gueston       Gueston         FUEL TYPE       CERT       STD       FUEL TYPE       Gueston       Gueston       JUEL         ORVR (g/gallon) @ UL       GASOLINE-       0.01       0.20       GASOLINE-       X         ORUS       GASOLINE-       0.01       0.20       GASOLINE-       X   </td> <td>US06       FUEL TYPE     NMOG+NOx<br/>(g/mi)     CO<br/>(g/mi)     PM<br/>(mg/mi)     NMO<br/>(mg/mi)       *     CERT     *     *     *       GASOLINE-<br/>TIER3 E10     CERT     *     *     0       GASOLINE-<br/>TIER3 E10     STD     *     *     0       WHOLE VEHICLE EVAPORATIVE EMISSION STANDAR       WHOLE VEHICLE EVAPORATIVE EMISSION STANDAR       WHOLE VEHICLE EVAPORATIVE EMISSION STANDAR       ORATIVE<br/>MILY     FUEL TYPE     3DHS (g/test) @ UL     2DH       0131DPG     GASOLINE-<br/>LEV3 E10     0.186     0.300     *     0.203       ORVR / FUEL ONLY / CANISTER BLEED EVAPORATIVE EMISSION<br/>ORVR / FUEL ONLY / CANISTER BLEED EVAPORATIVE EMISSION<br/>ORVR (g/gallon) @ UL     FUEL TYPE     TUEL CON<br/>FUEL TYPE       ORVR (g/gallon) @ UL     FUEL TYPE     GASOLINE-<br/>(g/test)     3DHS R<br/>(g/test)       ORTIVE<br/>MILY     GASOLINE-<br/>FUEL TYPE     0.01     0.20     GASOLINE-<br/>(g/test)</td> <td>US06SC03NMOG+NOX<br/>(g/mi)CO<br/>(g/mi)PM<br/>(g/mi)NMOG+NOX<br/>(g/mi)*CERT*****GASOLINE-<br/>TIER3 E10STD***0*GASOLINE-<br/>TIER3 E10STD**6**GASOLINE-<br/>TIER3 E10STD**6**GASOLINE-<br/>TIER3 E10STD**6**GASOLINE-<br/>TIER3 E10STD**6**ORATIVE<br/>MILYFUEL TYPEGASOLINE-<br/>LEV3 E100.1860.300*0.2030.300ORATIVE<br/>MILYGASOLINE-<br/>LEV3 E100.1860.300*0.2030.300ORVR / FUEL ONLY / CANISTER BLEED EVAPORATIVE EMISSION STANDARDADADADADADADADADADADADADADADADADAD</td> <td>FUEL TYPEUS06SC03FUEL TYPENMOG+NOx<br/>(g/mi)CO<br/>(g/mi)PM<br/>(mg/mi)NMOG+NOx<br/>(g/mi)CO<br/>(g/mi)*CERT*****GASOLINE-<br/>TIER3 E10CERT*****GASOLINE-<br/>TIER3 E10STD**6**GASOLINE-<br/>TIER3 E10STD**6**GASOLINE-<br/>TIER3 E10STD**6**GASOLINE-<br/>TIER3 E10STD**6**GASOLINE-<br/>MILYFUEL TYPESDRWHOLE VEHICLE EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION<br/>WHOLE VEHICLE EVAPORATIVE TESTING<br/>OCRATIVEWHOLE VEHICLE EVAPORATIVE TESTING<br/>OULULORATIVE<br/>MILYGASOLINE-<br/>LEV3 E100.1860.300*0.2030.300*ORVR (g/gallon)<br/>MILYULFUEL ONLY / CANISTER BLEED EVAPORATIVE EMISSION STANDARDS AND<br/>(g/test)<br/>QULFUEL ONLY EVAP &amp; CANIS<br/>(g/test)<br/>QULSDR RIG TEST<br/>(g/test)<br/>QULZDHS RIG TEST<br/>(g/test)<br/>QULZDHS RIG<br/>(g/test)<br/>QULORATIVE<br/>MILYGASOLINE-<br/>(GASOLINE-STDCERT<br/>(G/test)<br/>QULSTDCERT<br/>(g/test)<br/>QULCERTSTDCERTORATIVE<br/>MILYQRVR (g/gallon)<br/>(GASOLINE-STDQULCERT<br/>(G/test)<br/>QULCERTSTDCERTORATIVE<br/>MILYQULQULQULGASOLINE-<br/>(g/test)<br/>QULXX&lt;</td> <td>FUEL TYPE         NMOG+NOX<br/>(g/mi)         CO<br/>(g/mi)         PM<br/>(mg/mi)         NMOG+NOX<br/>(g/mi)         CO<br/>(g/mi)         NMOG+NOX<br/>(g/mi)         CO<br/>(g/mi)         NMOG+NOX<br/>(g/mi)         NMOLE         NMOLP         NMOLP         NMOLP         NMOLP         NMOLP</td> <td>FUEL TYPEUS06SC03COMPOSFUEL TYPENMOG+NOx<br/>(g/mi)CO<br/>(g/mi)NMOG+NOx<br/>(g/mi)CO<br/>(g/mi)NMOG+NOx<br/>(g/mi)CO<br/>(g/mi)NMOG+NOx<br/>(g/mi)CO<br/>(g/mi)NMOG+NOx<br/>(g/mi)CO<br/>(g/mi)NMOG+NOx<br/>(g/mi)CO<br/>(g/mi)NMOG+NOx<br/>(g/mi)CO<br/>(g/mi)NMOG+NOx<br/>(g/mi)CO<br/>(g/mi)NMOG+NOx<br/>(g/mi)CO<br/>(g/mi)NMOG+NOx<br/>(g/mi)CO<br/>(g/mi)NMOG+NOx<br/>(g/mi)CO<br/>(g/CO<br/>(g/mi)NMOG+NOx<br/>(g/mi)CO<br/>(g/mi)CONMOG+NOx<br/>(g/mi)CO<br/>(g/mi)CONMOG+NOx<br/>(g/mi)CO<br/>(g/mi)COCO<br/>(g/mi)CO<br/>(g/mi)MOG+NOx<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)MMOG+NOx<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)MMOG+NOx<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)MMOG+NOx<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)<t< td=""><td>FUEL TYPEUS06SC03COMPOSITEFUEL TYPENMOG+NOx<br/>(g/mi)CO<br/>(g/mi)NMOG+NOx<br/>(g/mi)CO<br/>(g/mi)NMOG+NOx<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)NMOG+NOx<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)NMOG+NOx<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)NMOG+NOx<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(</td></t<></td> | US06       FUEL TYPE     NMOG+NOx<br>(g/mi)     CO<br>(g/mi)     Pl<br>(g/mi)       *     CERT     *     *       STD     *     *     *       GASOLINE-<br>TIER3 E10     STD     *     *     6       BIN     *     *     6       BIN     *     *     6       WHOLE VEHICLE EVAPORATIVE EMISSION       ORATIVE<br>MILY     FUEL TYPE     3DHS (g/test) @ UL       CERT     STD     0.186     0.300       ORVR / FUEL ONLY / CANISTER BLEED EVAPORATIVE<br>MILY     ORVR (g/gallon) @ UL     FUEL TYPE       ORATIVE<br>MILY     ORVR (g/gallon) @ UL     FUEL TYPE | US06         FUEL TYPE       US06         FUEL TYPE       NMOG+NOx<br>(g/mi)       CO<br>(g/mi)       PM<br>(mg/mi)         *       CERT       *       *       ·         GASOLINE-<br>TIER3 E10       STD       *       *       0         GASOLINE-<br>TIER3 E10       STD       *       *       0         GASOLINE-<br>TIER3 E10       STD       *       *       6         BIN       WHOLE VEHICLE EVAPORATIVE EMISSION STAN         ORATIVE<br>MILY       FUEL TYPE       3DHS (g/test) @ UL       VHOLE VEHICLE EVAPORATIVE EMISSION STAN         ORATIVE<br>MILY       GASOLINE-<br>LEV3 E10       0.186       0.300       *       0.2         ORVR / FUEL ONLY / CANISTER BLEED EVAPORATIVE EMIS<br>ORVR (g/gallon) @ UL       FUEL TYPE       FUEL TYPE       GasoLINE-<br>(gasoLINE-<br>(gasoLINE-)       JUEL TYPE       GasoLINE-<br>(gasoLINE-)       JUEL TYPE       Gueston       Gueston         FUEL TYPE       CERT       STD       FUEL TYPE       Gueston       Gueston       JUEL         ORVR (g/gallon) @ UL       GASOLINE-       0.01       0.20       GASOLINE-       X         ORUS       GASOLINE-       0.01       0.20       GASOLINE-       X | US06       FUEL TYPE     NMOG+NOx<br>(g/mi)     CO<br>(g/mi)     PM<br>(mg/mi)     NMO<br>(mg/mi)       *     CERT     *     *     *       GASOLINE-<br>TIER3 E10     CERT     *     *     0       GASOLINE-<br>TIER3 E10     STD     *     *     0       WHOLE VEHICLE EVAPORATIVE EMISSION STANDAR       WHOLE VEHICLE EVAPORATIVE EMISSION STANDAR       WHOLE VEHICLE EVAPORATIVE EMISSION STANDAR       ORATIVE<br>MILY     FUEL TYPE     3DHS (g/test) @ UL     2DH       0131DPG     GASOLINE-<br>LEV3 E10     0.186     0.300     *     0.203       ORVR / FUEL ONLY / CANISTER BLEED EVAPORATIVE EMISSION<br>ORVR / FUEL ONLY / CANISTER BLEED EVAPORATIVE EMISSION<br>ORVR (g/gallon) @ UL     FUEL TYPE     TUEL CON<br>FUEL TYPE       ORVR (g/gallon) @ UL     FUEL TYPE     GASOLINE-<br>(g/test)     3DHS R<br>(g/test)       ORTIVE<br>MILY     GASOLINE-<br>FUEL TYPE     0.01     0.20     GASOLINE-<br>(g/test) | US06SC03NMOG+NOX<br>(g/mi)CO<br>(g/mi)PM<br>(g/mi)NMOG+NOX<br>(g/mi)*CERT*****GASOLINE-<br>TIER3 E10STD***0*GASOLINE-<br>TIER3 E10STD**6**GASOLINE-<br>TIER3 E10STD**6**GASOLINE-<br>TIER3 E10STD**6**GASOLINE-<br>TIER3 E10STD**6**ORATIVE<br>MILYFUEL TYPEGASOLINE-<br>LEV3 E100.1860.300*0.2030.300ORATIVE<br>MILYGASOLINE-<br>LEV3 E100.1860.300*0.2030.300ORVR / FUEL ONLY / CANISTER BLEED EVAPORATIVE EMISSION STANDARDADADADADADADADADADADADADADADADADAD | FUEL TYPEUS06SC03FUEL TYPENMOG+NOx<br>(g/mi)CO<br>(g/mi)PM<br>(mg/mi)NMOG+NOx<br>(g/mi)CO<br>(g/mi)*CERT*****GASOLINE-<br>TIER3 E10CERT*****GASOLINE-<br>TIER3 E10STD**6**GASOLINE-<br>TIER3 E10STD**6**GASOLINE-<br>TIER3 E10STD**6**GASOLINE-<br>TIER3 E10STD**6**GASOLINE-<br>MILYFUEL TYPESDRWHOLE VEHICLE EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION<br>WHOLE VEHICLE EVAPORATIVE TESTING<br>OCRATIVEWHOLE VEHICLE EVAPORATIVE TESTING<br>OULULORATIVE<br>MILYGASOLINE-<br>LEV3 E100.1860.300*0.2030.300*ORVR (g/gallon)<br>MILYULFUEL ONLY / CANISTER BLEED EVAPORATIVE EMISSION STANDARDS AND<br>(g/test)<br>QULFUEL ONLY EVAP & CANIS<br>(g/test)<br>QULSDR RIG TEST<br>(g/test)<br>QULZDHS RIG TEST<br>(g/test)<br>QULZDHS RIG<br>(g/test)<br>QULORATIVE<br>MILYGASOLINE-<br>(GASOLINE-STDCERT<br>(G/test)<br>QULSTDCERT<br>(g/test)<br>QULCERTSTDCERTORATIVE<br>MILYQRVR (g/gallon)<br>(GASOLINE-STDQULCERT<br>(G/test)<br>QULCERTSTDCERTORATIVE<br>MILYQULQULQULGASOLINE-<br>(g/test)<br>QULXX< | FUEL TYPE         NMOG+NOX<br>(g/mi)         CO<br>(g/mi)         PM<br>(mg/mi)         NMOG+NOX<br>(g/mi)         CO<br>(g/mi)         NMOG+NOX<br>(g/mi)         CO<br>(g/mi)         NMOG+NOX<br>(g/mi)         NMOLE         NMOLP         NMOLP         NMOLP         NMOLP         NMOLP | FUEL TYPEUS06SC03COMPOSFUEL TYPENMOG+NOx<br>(g/mi)CO<br>(g/mi)NMOG+NOx<br>(g/mi)CO<br>(g/mi)NMOG+NOx<br>(g/mi)CO<br>(g/mi)NMOG+NOx<br>(g/mi)CO<br>(g/mi)NMOG+NOx<br>(g/mi)CO<br>(g/mi)NMOG+NOx<br>(g/mi)CO<br>(g/mi)NMOG+NOx<br>(g/mi)CO<br>(g/mi)NMOG+NOx<br>(g/mi)CO<br>(g/mi)NMOG+NOx<br>(g/mi)CO<br>(g/mi)NMOG+NOx<br>(g/mi)CO<br>(g/mi)NMOG+NOx<br>(g/mi)CO<br>(g/CO<br>(g/mi)NMOG+NOx<br>(g/mi)CO<br>(g/mi)CONMOG+NOx<br>(g/mi)CO<br>(g/mi)CONMOG+NOx<br>(g/mi)CO<br>(g/mi)COCO<br>(g/mi)CO<br>(g/mi)MOG+NOx<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)MMOG+NOx<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)MMOG+NOx<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)MMOG+NOx<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi) <t< td=""><td>FUEL TYPEUS06SC03COMPOSITEFUEL TYPENMOG+NOx<br/>(g/mi)CO<br/>(g/mi)NMOG+NOx<br/>(g/mi)CO<br/>(g/mi)NMOG+NOx<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)NMOG+NOx<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)NMOG+NOx<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)NMOG+NOx<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(g/mi)CO<br/>(</td></t<> | FUEL TYPEUS06SC03COMPOSITEFUEL TYPENMOG+NOx<br>(g/mi)CO<br>(g/mi)NMOG+NOx<br>(g/mi)CO<br>(g/mi)NMOG+NOx<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)NMOG+NOx<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)NMOG+NOx<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)NMOG+NOx<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>(g/mi)CO<br>( |  |  |



KIA CORPORATION

| EFFECTIVE LEAK DIAMETER STANDARD AND CERTIFICATION LEVEL (INCHES) |                  |      |      |  |  |  |  |  |  |
|-------------------------------------------------------------------|------------------|------|------|--|--|--|--|--|--|
| EVAPORATIVE FAMILY                                                | LEAK FAMILY      | CERT | STD  |  |  |  |  |  |  |
| SKMXR0131DPG                                                      | SKMXR0131DPG-DL3 | 0.00 | 0.02 |  |  |  |  |  |  |

: not applicable; #: pounds; UL: useful life; PC: passenger car; LDT: light-duty truck; LDT1: LDT<6000#GVWR,0-3750#LVW; LDT2: LDT<6000#GVWR.3751-5750#LVW; LDT3: LDT 6001-8500#GVWR.3751-5750#ALVW; LDT4: LDT 6001-8500#GVWR.5751-8500#ALVW; MDV: medium-duty vehicle; MDV4: MDV 8501-10000#GVWR; MDV5: MDV 10001-14000#GVWR; MDPV: mediumduty passenger vehicle; HDV: heavy-duty vehicle; ECS: emission control system; CERT: certification; STD: standard; FEL: family emission limit; GVWR: gross vehicle weight rating; LVW: loaded vehicle weight; ALVW: adjusted LVW; LEV: low emission vehicle; ULEV: ultra LEV; SULEV: super ULEV; ZEV: zero-emission vehicle; TZEV: transitional ZEV; TWC/OC: 3-way/oxidizing catalyst; ADSTWC: adsorbing TWC; HAC: HC adsorbing catalyst; WU: warm-up catalyst; NAC: NOx adsorption catalyst; SCR-U or SCRC/SCR-N or SCRC-NH3: selective catalytic reduction-urea/ammonia; NH3OC: ammonia oxidation catalyst; CTOX/PTOX: continuous/periodic trap oxidizer; DPF: diesel particulate filter (active); GPF: PM filter for spark-ignited engine; cGPF (coated gasoline particulate filter); HO2S/O2S: heated/oxygen sensor; WR-HO2S or AFS: wide range/linear/heated air-fuel ratio sensor; NOXS: NOx sensor; PMS: PM sensor; RDQS: reductant quality sensor; NH3S: ammonia sensor; EGR: exhaust gas recirculation; HP/LP EGR: High/Low Pressure EGR; EGRC: EGR cooler; AIR/AIRE: secondary air injection (belt driven)/(electric driven); PAIR: pulsed AIR; SFI/MFI: sequential/multiport fuel injection; DFI/IFI: direct/indirect fuel injection; TC/SC: turbo/super charger; CAC: charge air cooler; FFH: fuel fired heater; F/P/\$: full/partial/partial with fines on-board diagnostic; DOR: direct ozone reducing; HCT: hydrocarbon trap; BCAN: bleed carbon canister; prefix 2: parallel; (2) suffix: series; a hyphen (-) between after treatment ECS indicates multiple functionalities of the after treatment device (ex. DPF-SCRC: SCR coated DPF); CNG/LNG: compressed/liquefied natural gas; LPG: liquefied petroleum gas; E85: "85%" ethanol ("15%"gasoline) fuel; E10: "10%" ethanol ("90%"gasoline) fuel; A: automatic (with lockup); M: manual transmission; SA: semi-automatic transmission; CV: continuously variable transmission; SCV: selectable continuously variable transmission; AM: automated manual transmission; AMS: automated manual-selectable transmission; OT: other transmission; AER: all-electric range; EAER: equivalent AER; PHEV: plug-in hybrid electric vehicle; NMOG + NOx Fleet Ave. Credit for Extended Warranty: N = no credits, Y = credits, S = credits for some/select models

## 2025 MODEL YEAR: VEHICLE MODELS INFORMATION

| MAKE | MODEL | VEH CLASS | ENGINE (L) | TRANS TYPE | EVAPORATIVE<br>FAMILY | EXH<br>ECS | OBD |
|------|-------|-----------|------------|------------|-----------------------|------------|-----|
| KIA  | К5    | PC        | 2.5        | AMS8       | SKMXR0131DPG          | 1          | F   |