

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

IT IS ORDERED AND RESOLVED: The following diesel or incomplete medium-duty vehicles (MDV) with a manufacturer's GVWR from 10,001 to 14,000 pounds are certified as described below. Production vehicles shall be in all material respects the same as those for which certification is granted.

| ENGINE DESCRIPTION | | | | | | | | |
|--|---------------|------------------------------|---------------------|--|------------------------|----------------------------|--|----------------|
| MODEL YEAR | ENGINE FAMILY | ENGINE MANUFACTURER | EXECUTIVE ORDER | EMISSION STD CATEGORY ² | FUEL TYPE ¹ | STANDARDS & TEST PROCEDURE | ENGINE SIZES (L) | OBD COMPLIANCE |
| 2023 | PGMXE06.6001 | GENERAL MOTORS, LLC | A-006-2356 | ULEV | Gasoline | Otto | 6.6 | OBD(F) |
| ECS & SPECIAL FEATURES ³ | | | | | | | | |
| 2TWC, 2HO2S(2), DFI | | | | | | | | |
| Gasoline, LPG or Alcohol Vehicles Only | | | VEHICLE DESCRIPTION | | | | | |
| EVAPORATIVE FAMILY | | FUEL TANK CAPACITY (gallons) | VEHICLE MODEL YEAR | VEHICLE MAKE & MODELS | | ENGINE (L) | ENGINE MODELS / CODES (rated power, in hp) | OBD COMPLIANCE |
| PSZXF0217GS3 | | 150 | 2023 | ISUZU NPR GAS CHEVROLET 3500HG (Incomplete Vehicles) | | 6.6 | L8T / 70 (350) | OBD(F) |
| * | | * | * | * | | * | * | * |

* =not applicable; GVWR=gross vehicle weight rating; 13 CCR xyz=Title 13, California Code of Regulations, Section xyz; 40 CFR 86.abc=Title 40, Code of Federal Regulations, Section 86.abc; L=liter; hp=horsepower; kw=kilowatt;
¹ CNG/LNG=compressed/liquefied natural gas; LPG=liquefied petroleum gas; E85=85% ethanol fuel; MF=multi fuel a.k.a BF=bi fuel; DF=dual fuel; FF=flexible fuel;
² SULEV / ULEV / LEV=super ultra / ultra / low emission vehicle;
³ ECS=emission control system; TWC/OC=three-way/oxidizing catalyst; NAC=NOx adsorption catalyst; SCR-U / SCR-N=selective catalytic reduction - urea / -- ammonia; WU (prefix)=warm-up catalyst; DPF=diesel particulate filter; PTOX=periodic trap oxidizer; HO2S/O2S=heated/oxygen sensor; HAFS/AFS=heated/air-fuel-ratio sensor (a.k.a., universal or linear oxygen sensor); WR-HO2S=wide range oxygen sensor; TBI=throttle body fuel injection; SFI/MFI=sequential/multi port fuel injection; DGI=direct gasoline injection; GCARB=gaseous carburetor; IDI/DDI=indirect/direct diesel injection; TC/SC=turbo/ super charger; CAC=charge air cooler; EGR / EGR-C=exhaust gas recirculation / cooled EGR; PAIR/AIR=pulsed/secondary air injection; SPL=smoke puff limiter; ECM/PCM=engine/powertrain control module; EM=engine modification; AMOX=Ammonia Oxidation Catalyst; NOXS=NOx sensor; 2 (prefix)=parallel; (2) (suffix)=in series;

Following are: 1) the FTP exhaust emission standards or family emission limit(s) as applicable under 13 CCR 1956.8; 2) the SET and NTE limits under the applicable California exhaust emission standards and test procedures for heavy-duty diesel engines and vehicles (Test Procedures); and 3) the corresponding certification levels, in g/bhp-hr, for this engine family. "Diesel" CO, SET and NTE certification compliance may have been demonstrated by the manufacturer as provided under the applicable Test Procedures in lieu of testing. (For dual- and flexible-fuel, the CERT values in brackets [] are those when tested on conventional test fuel.) ⁴

| | NMHC | | NOx | | NMHC+NOx | | CO | | PM | | HCHO | |
|------|------|-----|------|-----|----------|-----|------|-----|-------|-----|-------|-----|
| | FTP | SET | FTP | SET | FTP | SET | FTP | SET | FTP | SET | FTP | SET |
| STD | 0.14 | * | 0.20 | * | * | * | 14.4 | * | 0.01 | * | 0.01 | * |
| FEL | * | * | 0.10 | * | * | * | * | * | * | * | * | * |
| CERT | 0.06 | * | 0.05 | * | * | * | 1.7 | * | 0.002 | * | 0.000 | * |
| NTE | * | | * | | * | | * | | * | | * | |

⁴ g/bhp-hr=grams per brake horsepower-hour; FTP=Federal Test Procedure; SET=supplemental emissions testing; NTE=Not-to-Exceed emission limit; STD=standard or emission test cap; FEL=family emission limit; CERT=certification level; NMHC/HC=non-methane/hydrocarbon; NOx=oxides of nitrogen; CO=carbon monoxide; PM=particulate matter; HCHO=formaldehyde; (rev: 2014-01-03)

BE IT FURTHER RESOLVED: Certification to the FEL(s) / FCL(s) listed above, as applicable, is subject to the following terms, limitations and conditions. The FEL(s) / FCL(s) is the emission level declared by the manufacturer and serves in lieu of an emission standard for certification purposes in any averaging, banking, or trading (ABT) programs. It will be used for determining compliance of any engine in this family and compliance with such ABT programs.

BE IT FURTHER RESOLVED: The listed engine models have been certified to the optional emission standards and test procedures in 13 CCR 1956.8 applicable to diesel or incomplete MDV with a 10,001-14,000 pounds GVWR and shall be subject to 13 CCR 2139(c) (in-use testing of engines certified for use in diesel or incomplete MDV with a 10,001-14,000 pounds GVWR).

BE IT FURTHER RESOLVED: For the listed vehicle models the manufacturer has submitted the materials to demonstrate certification compliance with 13 CCR 1965 (emission control labels), 13 CCR 1968.2 (on-board diagnostic, full or partial compliance), 13 CCR 1976(b)(1)(F) {evaporative emission standards}, 13 CCR 1978 (vehicle refueling emissions standards; complete vehicles), 13 CCR 2035 et seq. (emission control warranty), and 13 CCR 2235 [fill pipes and openings of motor vehicle fuel tanks].

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 9th day of September 2022.



Robin U. Lang, Chief
Emissions Certification and Compliance Division