

Pursuant to the authority vested in California Air Resources Board by Health and Safety Code Divisions 25.5 and 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 on-road motor vehicles with a manufacturer's GVWR over 10,000 pounds are certified as described below. Production vehicles shall be in all material respects the same as those for which certification is granted.

VEHICLE FAMILY INFORMATION:

Model Year: 2022

Vehicle Family Name: NR12VOCV3AA

Vehicle Type: Vocational

Vehicle Service Class: Light HDV

Vehicle Subcategory: Light HDV / Otto Cycle / Multi-Purpose

Gross Vehicle Weight Rating (GVWR) of Vehicles (pounds): $10,000 < GVWR \leq 19,500$

CO₂ FAMILY EMISSION LIMITS:

CO₂ Standard (g/ton-mile): 407

Highest Projected Family Emission Limit (g/ton-mile): 387

Lowest Projected Family Emission Limit (g/ton-mile): 364

EMISSION CONTROL SYSTEMS:

Low rolling resistance tires (all) (LRRA)

BE IT FURTHER RESOLVED: The manufacturer has demonstrated certification compliance with the Greenhouse Gas Emission Standards as specified in Title 17 CCR 95663 and the incorporated "California Greenhouse Gas Exhaust Emission Standards and Test Procedures for 2014 and Subsequent Model Heavy-Duty Vehicles" (HDV Test Procedures) adopted October 21, 2014 as last amended September 9, 2021.

BE IT FURTHER RESOLVED: For the listed air conditioning platform(s) in the attachment, the manufacturer has demonstrated certification compliance with the AC Leakage Standard specified in 17 CCR 95663(a)(1)(B)7 and Section 1037.115 of the incorporated "California Greenhouse Gas Exhaust Emission Standards and Test Procedures for 2014 and Subsequent Model Heavy-Duty Vehicles" (HDV Test Procedures) adopted October 21, 2014, as last amended September 9, 2021.

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 1978 (complete vehicles) (vehicle refueling emissions standards), and 13 CCR 2035 et seq. (emission control warranty).

BE IT FURTHER RESOLVED: The engine families that are approved for installation within the vehicle family are listed in the attachment.

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

Executed on this 6th day of August 2022.



Robin U. Lang, Chief
Emissions Certification and Compliance Division

Vehicle Make and Models:**Vehicle Make**

Roush

ModelsSuper Duty F-450/F-550 (Incomplete Vehicle), E-350/E-450 (Incomplete Vehicle),
Commercial Stripped Chassis (Incomplete Vehicle)**Engine Families in Vehicle Family:**

NR1E07.3BL3, NR1E07.3BWU

A/C Platform Summary:

<u>A/C Platform ID</u>	<u>Refrigerant Type</u>	<u>Refrigerant Capacity (g)</u>	<u>STD (HFC (g/year))</u>	<u>Leakage Rate (HFC (g/year))</u>
Super Duty, 7.3L LPG, Class 3-5	R-134a	765	11.5	7.2
Commercial Stripped Chassis, 7.3L LPG, Incomplete A/C, to be completed by Morgan Olson	R-134a	998	15.0	12.0
Commercial Stripped Chassis, 7.3L LPG, Incomplete A/C, to be completed by Utilimaster	R-134a	1021	15.3	11.8
E-Series, 7.3L LPG, Aux System	R-134a	1531	23.0	10.3
E-Series, 7.3L LPG, Non-Aux System	R-134a	850	12.8	9.4
E-Series, 7.3L LPG, Incomplete A/C, to be completed by Morgan Olson	R-134a	907	13.6	13.5
E-Series, 7.3L LPG, Incomplete A/C, to be completed by Utilimaster	R-134a	1021	15.3	13.2