

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: NNVX2VOCVXCM

Vehicle Type: Vocational

Vehicle Service Class: Heavy HDV

Vehicle Subcategory: Heavy HDV / Diesel / Multi-purpose

Gross Vehicle Weight Rating (GVWR) of Vehicles (pounds): GVWR > 33,000

CO₂ FAMILY EMISSION LIMITS:

CO₂ Standard (g/ton-mile): 261

Highest Projected Family Emission Limit (g/ton-mile): 375

Lowest Projected Family Emission Limit (g/ton-mile): 204

EMISSION CONTROL SYSTEMS:

Low rolling resistance tires all (LRRRA), Low rolling resistance tires drive (LRRD), Low rolling resistance tires steer (LRRS), Weight Reduction (WR), Tire pressure monitoring system (TPMS)

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 June 27, 2019.

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 June 27, 2019.

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 25th day of January 2022.



Allen Lyons, Chief
Emissions Certification and Compliance Division

Vehicle Make and Models:**Vehicle Make**International
IC**Models**HV, HX, LT, LS, RH, Stripped Chassis FBTC (Incomplete Vehicle)
School Bus (CE, RE), Commercial Bus (CE, RE, TC)**Engine Families in Vehicle Family:**

NNVXH07570SA	NCEXH0912XCB
NCEXH0540LCA	NCEXH0912XCA
NCEXH0912XCC	

<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>
1: LT-Day-A26	R134a	862	12.9	10.4
2: LT-Day-X15	R134a	862	12.9	10.5
3: LT-Sleep-A26-NI	R134a	1270	19.1	11.5
4: LT-Sleep-X15-NI	R134a	1270	19.1	11.6
5: LT-Sleep-A26	R134a	1270	19.1	11.5
6: LT-Sleep-X15	R134a	1270	19.1	11.6
7: RH-Day-A26	R134a	862	12.9	10.2
8: RH-Sleep-A26	R134a	1270	19.1	11.2
9: RH-Sleep-A26-NI	R134a	1270	19.1	11.2
10: HX-Day-Horizon-A26	R134a	862	12.9	10.3
11: HX-Day-Horizon-X15	R134a	862	12.9	10.3
12: HX-Sleep-Horizon-A26-NI	R134a	1270	19.1	11.4
13: HX-Sleep-Horizon-X15-NI	R134a	1270	19.1	11.3
14: HX-Sleep-Horizon-A26	R134a	1270	19.1	11.4
15: HX-Sleep-Horizon-X15	R134a	1270	19.1	11.3
16: HV-HighHood-A26-10inRail	R134a	862	12.9	10.3
17: HV-HighHood-A26-12inRail	R134a	862	12.9	10.3
18: HV-LowHood-A26-10inRail	R134a	862	12.9	10.3
19: HV-LowHood-A26-12inRail	R134a	862	12.9	10.3
20: HV-HighHood-B6.7	R134a	862	12.9	10.8
21: HV-LowHood-B6.7	R134a	862	12.9	10.7
22: HV-HighHood-L9	R134a	862	12.9	10.4
23: HV-LowHood-L9	R134a	862	12.9	10.4
26: MV-L9	R134a	862	12.9	10.3
27: HV-CV	R134a	850	12.8	7.6
28: LS-ISX-Day	R134a	1043	15.6	9.8
29: LS-ISX-Sleep	R134a	1270	19.1	10.7
30: CE-48ADC-Tieln-B6.7	R134a	2182	32.7	24.4
31: CE-48ADK-Tieln-B6.7	R134a	2182	32.7	24.4
32: CE-HFCR-48GTK-B6.7	R134a	1134	17.0	10.8
33: CE-HFCR-48GTK-PSI	R134a	1134	17.0	10.8
34: CE-48GZA-B6.7	R134a	1134	17.0	11.3
35: RE-48GZB-L9	R134a	1409	21.1	20.6