

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 26,000 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: NNVX2TRACXHU

Vehicle Type: Tractor

Vehicle Subcategory: Heavy-Haul Tractor

CO₂ FAMILY EMISSION LIMITS:

CO₂ Standard (g/ton-mile): 52.4

Highest Projected Family Emission Limit (g/ton-mile): 66.1

Lowest Projected Family Emission Limit (g/ton-mile): 43.2

EMISSION CONTROL SYSTEMS:

Low rolling resistance tires all (LRRR), Weight Reduction (WR), Aerodynamic side skirt and/or fuel tank fairing (ATS), Tire pressure monitoring system (TPMS), Low rolling resistance tires drive (LRRD), Low rolling resistance tires steer (LRRS), Aerodynamic roof fairing (ARF), Engine shutoff after 5 minutes or less of idling (IRT5)

BE IT FURTHER RESOLVED: The listed vehicle family is certified to the CO₂ Emission Standards for Heavy-Haul Tractors as specified in Section 1037.106 or to the Optional CO₂ Emission Standards for Tractors at or above 120,000 pounds GCWR specified in Section 1037.670 of the "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: 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)(2)(B)3 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 11th day of February 2022.



Allen Lyons, Chief
Emissions Certification and Compliance Division

Vehicle Make and Models:**Vehicle Make**

International

Models

HV, HX, LT, LS, RH

Engine Families in Vehicle Family:

NNVXH07570SA

NCEXH0912XCC

NCEXH0912XCA

NCEXH0912XCB

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>
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
22: HV-HighHood_L9	R134a	862	12.9	10.4
23: HV-LowHood-L9	R134a	862	12.9	10.4
28: LS-ISX-Day	R134a	1043	15.6	9.8
29: LS-ISX-Sleep	R134a	1270	19.1	10.7