

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: NVPT2TRAC300

Vehicle Type: Tractor

Vehicle Service Class: Heavy HDV

Vehicle Subcategory: High-Roof Day Cab

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

CO₂ FAMILY EMISSION LIMITS:

CO₂ Standard (g/ton-mile): 85.6

Highest Projected Family Emission Limit (g/ton-mile): 119.0

Lowest Projected Family Emission Limit (g/ton-mile): 79.3

EMISSION CONTROL SYSTEMS:

Low rolling resistance tires all (LRRRA), Low rolling resistance tires (drive) (LRRD), Low rolling resistance tires (steer) (LRRS), Aerodynamic roof fairing (ARF), Aerodynamic side skirt and/or fuel tank fairing (ATS), Weight reduction (WR), Tire pressure monitoring system (TPMS), Vehicle speed limiter (VSL)

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.

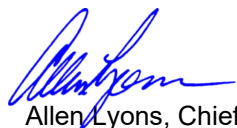
BE IT FURTHER RESOLVED: For the listed air conditioning platform(s) in the attachment, the manufacturer has demonstrated certification compliance with the AC Leakage Standard specified in 17 CCR 95663(a)(2)(B)3 and Section 1037.115 of the incorporated "California Greenhouse Gas Exhaust Emission Standards 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 4th day of January 2022.



Allen Lyons, Chief
Emissions Certification and Compliance Division

Vehicle Make and Models:**Vehicle Make**

Volvo

Mack

Models

VNL 300, VNR 300

Pinnacle PI (CHU), Anthem AN (CXU)

Engine Families in Vehicle Family:

NVPTH10.8CA1

NVPTH12.8CA1

NVPTH12.8CA2

NCEXH0912XCB

NCEXH0729XDA

NCEXH0540LDC

A/C Platform Summary:**A/C Platform ID**

VNL: DAY CAB 11L VOLVO

CXU: DAY CAB 11L VOLVO

Refrigerant Type

R134a

R134a

Refrigerant**Capacity (g)**

1510

1590

STD (HFC (g/year))

22.6

23.8

Leakage Rate (HFC**(g/year))**

10.1

10.8