

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: 2023

Vehicle Family Name: PDTN2VOCV16U

Vehicle Type: Vocational Tractor

Vehicle Service Class: Medium HDV

Vehicle Subcategory: Medium HDV / Diesel / Urban

Gross Vehicle Weight Rating (GVWR) of Vehicles (pounds):  $19,500 < GVWR \leq 33,000$

**CO<sub>2</sub> FAMILY EMISSION LIMITS:**

CO<sub>2</sub> Standard (g/ton-mile): 296

Highest Projected Family Emission Limit (g/ton-mile): 440

Lowest Projected Family Emission Limit (g/ton-mile): 226

**EMISSION CONTROL SYSTEMS:**

Low rolling resistance tires (all) (LRRR), Low rolling resistance tires (steer) (LRRS), Low rolling resistance tires (drive) (LRRD), Weight reduction (WR)

**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 9th day of December 2022.



Robin U. Lang, Chief  
Emissions Certification and Compliance Division

**Vehicle Make and Models:****Vehicle Make**

Freightliner (Incomplete Vehicle)  
Western Star (Incomplete Vehicle)

**Models**

Cascadia (116, 126), M2 (106, 112), 108SD, 114SD, 122SD  
47X, 49X, 57X

**Engine Families in Vehicle Family:**

PDDXH07.7MDC	PCEXH0408BCA
PCEXH0408BDA	PCEXH0540LCA
PCEXH0540LDA	<b>NDDXH07.7MDC</b>
<b>NCEXH0408BCA</b>	<b>NCEXH0408BDA</b>
<b>NCEXH0540LCA</b>	<b>NCEXH0540LDA</b>

**A/C Platform Summary:**

<b><u>A/C Platform ID</u></b>	<b><u>Refrigerant Type</u></b>	<b><u>Refrigerant Capacity (g)</u></b>	<b><u>STD (HFC (g/year))</u></b>	<b><u>Leakage Rate (HFC (g/year))</u></b>
P4 116, 126 Day	R-134a	1305	19.6	9.4
P4 116,126 48"60"72"SLP	R-134a	1816	27.2	11.3
P4 116,126 48"60"72" w Park	R-134a	2497	37.5	16.5
P4 114,126 48"60"72"w TriPac	R-134a	2723	40.8	34.1
W4 121 Day with RMC	R-134a	2043	30.6	13.0
M2 Day	R-134a	1305	19.6	10.4
M2 Crew	R-134a	1476	22.1	13.8
24U 132 Day	R-134a	1419	21.3	10.2
24 U 132 slp 70	R-134a	1861	27.9	11.8
24 U 132 slp w NITE	R-134a	2484	37.3	13.3
WST Day Cab	R-134a	1532	23.0	10.5
WST Day Cab with Roof	R-134a	2202	33.0	17.3
WST Sleeper	R-134a	1759	26.4	19.9
WST Sleeper RestStar	R-134a	2198	33.0	21.5