

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: PDTN2VOCV04M

Vehicle Type: Vocational

Vehicle Service Class: Medium HDV

Vehicle Subcategory: Medium HDV / Diesel / Multi-Purpose

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

CO₂ FAMILY EMISSION LIMITS:

CO₂ Standard (g/ton-mile): 265

Highest Projected Family Emission Limit (g/ton-mile): 402

Lowest Projected Family Emission Limit (g/ton-mile): 202

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 1st day of December 2022.



Robin U. Lang, Chief
Emissions Certification and Compliance Division

Vehicle Make and Models:**Vehicle Make**

FCCC (Incomplete Vehicle)
 Freightliner (Incomplete Vehicle)
 Western Star (Incomplete Vehicle)
 Thomas Built Buses

Models

Chassis (MBC, MC, MT45, MT55, XBA, XBP, XBR, XBS, XCL, XCM, XCP, XCR, XCS),
 S2, S2C, S2G, S2RV
 Cascadia (116, 126), M2 (106, 112), 108SD, 114SD, 122SD, EconicSD
 47X, 49X, 57X
 Saf-T-Liner (C2, EFX, HDX)

Engine Families in Vehicle Family:

PDDXH07.7MDC PCEXH0408BCA
 PCEXH0408BDA PCEXH0540LCA
 PCEXH0540LDA

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> |
|-------------------------------|--------------------------------|--|----------------------------------|---|
| 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 |
| TBB 685-154 | R-134a | 5433 | 81.5 | 28.4 |
| TBB 685-019 | R-134a | 2858 | 42.9 | 41.3 |
| TBB 685-062 | R-134a | 4037 | 60.6 | 48.6 |
| TBB B8160-21-091 | R-134a | 3401 | 51.0 | 40.6 |
| TBB B8160-22-141 | R-134a | 4082 | 61.2 | 53.4 |
| TBB B8160-21-141 | R-134a | 3401 | 51.0 | 43.8 |
| TBB B824302000 | R-134a | 8618 | 129.3 | 41.0 |
| TBB B8160-15-140 | R-134a | 4082 | 61.2 | 53.8 |
| TBB B8160-17-120 | R-134a | 3629 | 54.4 | 44.0 |
| FCCC 685-122 | R-134a | 9992 | 149.9 | 53.5 |
| FCCC 685-136 | R-134a | 3804 | 57.1 | 50.0 |
| FCCC 685-118 | R-134a | 1310 | 19.7 | 12.7 |
| FCCC AF3-1BE | R-134a | 1588 | 23.8 | 18.6 |
| FCCC AF3-1EH | R-134a | 1360 | 20.4 | 18.6 |
| FCCC 011-218 | R-134a | 1474 | 22.1 | 18.5 |
| FCCC 011-215 | R-134a | 3180 | 47.7 | 25.5 |
| FCCC 011-661 | R-134a | 1588 | 23.8 | 22.8 |
| FCCC 011-500 | R-134a | 2154 | 32.3 | 25.2 |