

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: 2024

Vehicle Family Name: RDTN2VOCV05M

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

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

CO<sub>2</sub> Standard (g/ton-mile): 242

Highest Projected Family Emission Limit (g/ton-mile): 349

Lowest Projected Family Emission Limit (g/ton-mile): 205

**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 8th day of December 2023.



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)

**Models**

Chassis (XBA, XBP, XBR, XBS, XCL, XCM, XCP, XCR, XCS), S2, S2C, S2G, S2RV

Cascadia (116, 126), M2 (106, 112), 108SD, 114SD, 122SD

47X, 49X, 57X

**Engine Families in Vehicle Family:**

PDDXH12.8TCC

PDDXH15.6GEC

PCEXH0721XCA

PCEXH0912XCA

PCEXH0912XCC

RDDXH12.8NXC

RDDXH15.6GEC

RCEXH0721XCA

RCEXH0912XEA

RCEXH0912XEC

PDDXH14.8TCC

PCEXH0540LDC

PCEXH0729XDA

PCEXH0912XCB

RDDXH14.8TCC

RCEXH0540LDC

RCEXH0540LCA

RCEXH0912XEB

**A/C Platform Summary:****A/C Platform ID****Refrigerant Type****Refrigerant  
Capacity (g)****STD (HFC (g/year))****Leakage Rate (HFC  
(g/year))**

P4 116, 126 Day

P4 116,126 48"60"72"SLP

P4 116,126 48"60"72" w Park

P4 114,126 48"60"72"w TriPac

W4 121 Day with RMC

M2 Day

M2 Crew

24U 132 Day

24 U 132 slp 70

24 U 132 slp w NITE

WST Day Cab

WST Day Cab with Roof

WST Sleeper

WST Sleeper RestStar

FCCC 685-118 (L68-00001-083)

FCCC 685-118 (L68-00001-000)

FCCC D22-78740-000

FCCC 011-661

FCCC 011-500

R-134a

R-134a

R-134a

R-134a

R-134a

R-134a

R-134a

R-134a

R-134a

R-134a

R-134a

R-134a

R-134a

R-134a

R-134a

R-134a

R-134a

R-134a

R-134a

1305

1816

2497

2723

2043

1305

1476

1419

1861

2484

1532

2202

1759

2198

1310

1310

3180

1588

2154

19.6

27.2

37.5

40.8

30.6

19.6

22.1

21.3

27.9

37.3

23.0

33.0

26.4

33.0

19.7

19.7

47.7

23.8

32.3

9.4

11.3

16.5

34.1

13.0

10.4

13.8

10.2

11.8

13.3

10.5

17.3

19.9

21.5

12.7

12.7

26.4

22.8

25.2