

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: RDTN2VOCV04M

Vehicle Type: Vocational

Vehicle Service Class: Medium HDV

Vehicle Subcategory: Medium HDV / Diesel / Multi-Purpose

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

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

CO<sub>2</sub> Standard (g/ton-mile): 246

Highest Projected Family Emission Limit (g/ton-mile): 403

Lowest Projected Family Emission Limit (g/ton-mile): 203

**EMISSION CONTROL SYSTEMS:**

Low rolling resistance tires (all) (LRRRA), 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 2023.



Robin U. Lang, Chief  
Emissions Certification and Compliance Division

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

FCCC (Incomplete Vehicle)

Chassis (MBC, MC, MT45, MT55, XBA, XBP, XBR, XBS, XCL, XCM, XCP, XCR, XCS), S2, S2C, S2G, S2RV

Freightliner (Incomplete Vehicle)

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

Western Star (Incomplete Vehicle)

47X, 49X, 57X

Thomas Built Buses

Saf-T-Liner (C2, EFX, HDX)

**Engine Families in Vehicle Family:**

PDDXH07.7MDC

PCEXH0408BCA

PCEXH0408BDA

PCEXH0540LCA

PCEXH0540LDA

RDDXH07.7MDC

RCEXH0408BCA

RCEXH0540LCA

RCEXH0540LDA

**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

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 685-153

R-134a

3629

54.4

54.2

TBB 685-044

R-134a

4037

60.6

49.7

TBB B8160-21-091

R-134a

3401

51.0

40.6

TBB B8160-22-141

R-134a

4082

61.2

53.3

TBB B8160-21-141

R-134a

3401

51.0

43.8

TBB B824302000

R-134a

8618

129.3

37.3

TBB B8160-15-140

R-134a

4082

61.2

53.7

TBB B8160-17-120

R-134a

3629

54.4

44.0

FCCC 685-118 (L68-00001-083)

R-134a

1310

19.7

12.9

FCCC 685-118 (L68-00001-000)

R-134a

1310

19.7

12.7

FCCC AF3-1BE

R-134a

1588

23.8

18.6

FCCC 011-661

R-134a

1588

23.8

22.8

FCCC 011-500

R-134a

2154

32.3

25.2

FCC D22-78746-003

R-134a

1332

20.0

19.8

FCCC D22-78740-000

R-134a

3180

47.7

26.4