CALIFORNIA AIR RESOURCES BOARD	PACCAR INC	EXECUTIVE ORDER A-384-0123-1 New On-Road Heavy-Duty Motor Vehicles

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: 2022
Vehicle Family Name: NPCR2VOCVC3K
Vehicle Type: Vocational Vehicle
Vehicle Service Class: Medium HDV
Vehicle Subcategory: Medium HDV / Diesel / Urban
Gross Vehicle Weight Rating (GVWR) of Vehicles (pounds): 26,000 < GVWR ≤ 33,000

CO_2 FAMILY EMISSION LIMITS:

CO_2 Standard (g/ton-mile): 296
Highest Projected Family Emission Limit (g/ton-mile): 634
Lowest Projected Family Emission Limit (g/ton-mile): 210

EMISSION CONTROL SYSTEMS:

Low rolling resistance tires (all) (LRRA), Low rolling resistance tires (drive) (LRRD), Low rolling resistance tires (steer) (LRRS), Tire pressure monitoring system (TPMS), Vehicle speed limiter (VSL), 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.

This Executive Order hereby supersedes Executive Order A-384-0123 dated January 3, 2022.

Executed on this 2nd day of May 2022.

Krishna Sahai for

Allen Lyons, Chief
Emissions Certification and Compliance Division

Attachment 1 of 1:

Vehicle Family: NPCR2VOCVC3K Date: 03/30/2022 EO: A-384-0123-1

Vehicle Make and Models:

Vehicle Make	Models
Peterbilt	Model 220, Model 325, Model 367, Model 537, Model 348, Model 579, Model 536, Model 330, Model 520, Model 389, Model 365, Model 337, Model 567, Model 535, Model 548
Kenworth	T170, T180, T270, T380, T280, K270, T470, T440, W900, T480, T880, T800, W990, T680, T370, K370

Engine Families in Vehicle Family:

NCEXH0540LDC	NCEXH0408BCA	MCEXH0408BCA	MCEXH0540LDB	MCEXH0540LCA
NCEXH0540LDB	NCEXH0540LCA	NCEXH0408BDA	NCEXH0540LDA	MCEXH0540LDC
MCEXH0408BDA	MCEXH0540LDA			

A/C Platform Summary:

A/C Platform ID	Refrigerant Type	Refrigerant Capacity (g)	STD (HFC (g/year))	Leakage Rate (HFC (g/year))
STANDARD 0000170	R134a	1361	20.4	19.4
STANDARD 0000270	R134a	1361	20.4	19.4
STANDARD 0000301	R134a	953	14.3	13.4
STANDARD 0000370	R134a	1361	20.4	19.4
STANDARD 0000410	R134a	1616	24.2	20.0
STANDARD 0000610	R134a	1474	22.1	12.8
STANDARD 0000800	R134a	1588	23.8	19.3
ROOF-MTD-CONDENSER0000800	R134a	1588	23.8	21.7
STANDARD 0000810	R134a	1474	22.1	12.9
STANDARD 0000900	R134a	1446	21.7	19.7
STANDARD 0000990	R134a	1474	22.1	12.9
STANDARD 0000180	R134a	907	13.6	13.1
STANDARD 0000280	R134a	907	13.6	13.1
STANDARD 0000380	R134a	907	13.6	13.1
STANDARD 0000480	R134a	907	13.6	13.1
STANDARD 0002201	R134a	953	14.3	13.4
STANDARD 0003251	R134a	1315	19.7	16.3
STANDARD 0003301	R134a	1315	19.7	16.3
STANDARD 0003371	R134a	1315	19.7	16.3
STANDARD 0003481	R134a	1315	19.7	16.3
STANDARD 0003651	R134a	1270	19.1	16.8
STANDARD 0003671	R134a	1270	19.1	16.8
STANDARD 0003891	R134a	1315	19.7	16.8
STANDARD 0005201	R134a	1315	19.7	19.7
STANDARD 0005671	R134a	1474	22.1	12.9
STANDARD 0005791	R134a	1474	22.1	12.8
STANDARD 0005351	R134a	907	13.6	13.1
STANDARD 0005361	R134a	907	13.6	13.1
STANDARD 0005371	R134a	907	13.6	13.1
STANDARD 0005481	R134a	907	13.6	13.1
STANDARD 0005201 DUAL DSD	R134a	1588	23.8	18.0
STANDARD 0005201 ROOFEVAP	R134a	1361	20.4	19.6
STANDARD 0005201 ROOFCOND	R134a	1442	21.6	20.3