CALIFORNIA AIR RESOURCES BOARD	PACCAR INC	EXECUTIVE ORDER A-384-0124 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 26,000 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: NPCR2TRACCF2
Vehicle Type: Tractor
Vehicle Service Class: Heavy HDV
Vehicle Subcategory: High-Roof Day Cab
Gross Vehicle Weight Rating (GVWR) of Vehicles (pounds): GVWR > 33,000

CO_2 FAMILY EMISSION LIMITS:

CO_2 Standard (g/ton-mile): 80.5
Highest Projected Family Emission Limit (g/ton-mile): 161.7
Lowest Projected Family Emission Limit (g/ton-mile): 56.6

EMISSION CONTROL SYSTEMS:

Aero roof fairing (ARF), Aero side skirt/or fuel tank fairing (ATS), Low rolling resistance tires (all) (LRRA), Low rolling resistance tires (drive) (LRRD), Low rolling resistance tires (steer) (LRRS), Gap reducing tractor fairing (TGR), Tire pressure monitoring system (TPMS), Vehicle speed limiter (VSL), Expiring vehicle speed limiter (VSLE), 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 June 27, 2019.

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)(2)(B)3 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 June 27, 2019.

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 29th day of December 2021.

Allen Lyons, Chief
Emissions Certification and Compliance Division

Attachment 1 of 1:

Vehicle Family: NPCR2TRACCF2 Date: 12/16/2021 EO: A-386-0124

Vehicle Make and Models:

Vehicle Make	Models
Peterbilt	Model 579, Model 367, Model 520, Model 567, Model 365, Model 389, Model 348, Model 537, Model 337, Model 536, Model 535, Model 548, Model 330, Model 220
Kenworth	C500, T440, T480, T380, W900, W990, T470, T800, T880, T370

Engine Families in Vehicle Family:

MPCRH10.8M21	MCEXH0540LDB	MCEXH0921XCB	NCEXH0408BDA
MPCRH12.9M21	MCEXH0921XCC	MCEXH0540LDC	NCEXH0921XCA
NPCRH10.8M21	MCEXH0729XDA	MCEXH0408BCA	NCEXH0540LDA
NPCRH12.9M21	MCEXH0408BDA	NCEXH0540LDB	NCEXH0921XCB
NPCRH10.8C21	MCEXH0921XCA	NCEXH0921XCC	NCEXH0540LDC
NPCRH12.9C21	MCEXH0540LDA	NCEXH0729XDA	NCEXH0408BCA

A/C Platform Summary:

A/C Platform ID	Refrigerant Type	Refrigerant Capacity (g)	STD (HFC (g/year))	Leakage Rate (HFC (g/year))
STANDARD 0000370	R134a	1361	20.4	19.4
STANDARD 0000410	R134a	1616	24.2	20.0
STANDARD 0000500	R134a	1588	23.8	19.4
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 0000280	R134a	907	13.6	13.1
STANDARD 0000380	R134a	907	13.6	13.1
STANDARD 0000480	R134a	907	13.6	13.1
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