

Pursuant to the authority vested in the California Air Resources Board by Health and Safety Code Division 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 engines and emission control systems produced by the manufacturer as described below are certified for use in diesel or incomplete medium-duty vehicles (MDV) with a manufacturer's Gross Vehicle Weight Rating (GVWR) from 10,001 to 14,000 pounds. Production engines shall be in all material respects the same as those for which certification is granted.

Model Year	Engine Family	Combustion Cycle	Fuel Operation	Fuel Type(s)	Intended GHG Vehicle Type	Intended Vehicle Service Class
2024	RFMXH06.7P4B	Diesel	Dedicated	Diesel	Vocational	Medium-Duty

Emission Control Systems	Special Features
[1]: Electronic Control Module (ECM), Periodic Trap Oxidizer (PTOX), Exhaust Gas Recirculation (EGR), Exhaust Gas Recirculation Cooler (EGRC), Selective Catalytic Reduction Catalyst (SCRC), Oxidation Catalyst (OC), Ammonia Slip Catalyst (NH3OC), Diesel Fuel Injection (DFI), Turbocharger (TC), Charged Air Cooler (CAC)	None

The certified engine models are attached.

The listed engine models comply with the following: 1.) emission standard limits (STD) as demonstrated on the Federal Test Procedure (FTP) and Supplemental Emission Test (SET) test cycles, and on the Low-Load Cycle (LLC) test cycle and 2.) Conformity Factors (CF) as demonstrated using the Three-Bin Moving Average Window (3B-MAW) method, as applicable, for exhaust criteria pollutants non-methane hydrocarbons (NMHC), nitrogen oxides (NOx), carbon monoxide (CO), and particulate matter (PM), and exhaust greenhouse gas (GHG) pollutants carbon dioxide (CO2), methane (CH4), and nitrous oxide (N2O) as set forth in 13 CCR 1956.8 and the applicable California test procedures for heavy-duty diesel cycle engines, and 3) family emission limits (FEL) and family certification levels (FCL) declared by the manufacturer as allowed by the applicable California test procedures, stated in units of gram per brake horsepower-hour (g/bhp-hr), except as noted, or designated as not applicable (\*).

Applicable Standard	Criteria					GHG				
	NMHC	NOx	CO	PM	HCHO	CO2 VOCV	CO2 TRAC	CH4	N2O	
Medium-Duty Diesel Clean Idle 10g	STD: FTP / SET	0.14	0.050	15.5	0.005	0.050	555	*	0.10	0.10
	STD: LLC	0.14	0.200	15.5	0.005	0.050	*	*	*	*
	FEL: FTP / SET	*	0.077	*	*	*	*	*	*	*
	FEL: LLC	*	0.300	*	*	*	*	*	*	*
	3B-MAW CF	2.0	2.0	2.0	2.0	*	*	*	*	*

**BE IT FURTHER RESOLVED:** Any declared FEL or FCL is the emission limit to which all engines must comply in lieu of the standard limit for certification purposes, subject to the restrictions of averaging, banking, or trading (ABT) programs allowed by the applicable California test procedures.

**BE IT FURTHER RESOLVED:** For the listed engine models, the manufacturer has submitted the materials to demonstrate certification compliance with 13 CCR 1965 (emission control labels), 13 CCR 1968.2 (on-board diagnostics, full or partial compliance), and 13 CCR 2035 et seq. (emission control warranty).

**BE IT FURTHER RESOLVED:** For engines in this engine family certified under 13 CCR 1956.8(a)(6)(C) [10 g/hr NOx] and section 11.A.6.3 of the applicable California test procedures, except those in vehicle applications exempted per 13 CCR 1956.8(a)(6)(B), the engine manufacturer shall provide an approved "Certified Clean Idle" label to be affixed to the vehicle into which the engine is installed.

**BE IT FURTHER RESOLVED:** The listed engine models have been certified to the optional emission standards and test procedures in 13 CCR 1956.8 applicable to diesel or incomplete MDV with a 10,001-14,000 pounds GVWR and shall be subject to 13 CCR 2139(c) (in-use testing of engines certified for use in diesel or incomplete MDV with a 10,001-14,000 pounds GVWR).

**BE IT FURTHER RESOLVED:** The listed engine models are certified in accordance with 13 CCR Section 1968.2(k) (deficiency and fines provisions for certification of on-board diagnostic II system (OBD II) systems with identified deficiencies) and Health and Safety Code Section 43154.

**BE IT FURTHER RESOLVED:** That the manufacturer has elected to include engine models in this engine family which are identified for "emergency vehicle use only". These "emergency vehicle use only" engines are exempt from requirements imposed pursuant to California law and the regulations adopted pursuant thereto for motor vehicle pollution control devices per California Vehicle Code Section 27156.2. The manufacturer must clearly label these engines for "emergency vehicle use only" on the engines' emission control label.

Engines certified under this Executive Order must conform to all applicable California emission regulations.

Executed on this 20th day of November 2023.



Robin U. Lang, Chief  
Emissions Certification and Compliance Division

**ATTACHMENT: ENGINE MODELS**

Family: RFMXH06.7P4B EO Number: A-010-2498 Date Applicable: 10/26/2023

Model	Code	Trim	Config	Displacement	Peak Power			Peak Torque			ECS Num	GHG	Notes
					Power	Speed	Fueling	Torque	Speed	Fueling			
-	-	-	-	L	hp	rpm	lb/hr	lb-ft	rpm	lb/hr	-	-	-
Super Duty	RTFHTRNN		V8	6.7	330	2200	230.11	950	1800	236.7	1	Vocational	
Super Duty	RTFHTRNQ		V8	6.7	330	2200	230.11	950	1800	236.7	1	Vocational	Emergency