

Pursuant to the authority vested in the California Air Resources Board by Health and Safety Code Division 26, Part 5, Chapters 1 and 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 off-road equipment. 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)	Engine Operation
2024	RFPXL08.7T4X	Diesel	Dedicated	Diesel	Variable Speed

Emission Control Systems	Special Features
[1]: Electronic Direct Injection (DDI), Electronic Control Module (ECM), Turbocharger (TC), Charge Air Cooler (CAC), Diesel Oxidation Catalyst (DOC), Selective Catalytic Reduction – Urea (SCR-U), Ammonia Oxidation Catalyst (AMOX)	None

The certified engine models are attached.

The listed engine models comply with the following: 1) emission standard limits (STD) and Not-To-Exceed (NTE) limits, as applicable, for criteria pollutants non-methane hydrocarbons (NMHC), nitrogen oxides (NOx), carbon monoxide (CO), and particulate matter (PM), and for smoke opacity as demonstrated during the Acceleration (ACL) and Lugging (LUG) modes, and the peak value (PEAK) in either mode of the Smoke Opacity cycle, as set forth in 13 CCR 2423 and the applicable California test procedures for off-road compression-ignition engines, and 2) family emission limits (FEL) declared by the manufacturer as allowed by the applicable California test procedures, stated in units of gram per kilowatt-hour (g/kWh-hr) and percent opacity (%opacity), respectively, except as noted, or designated as not applicable (*).

Applicable Standard		Criteria				Smoke Opacity		
		NMHC	NOx	CO	PM	ACL	LUG	PEAK
Tier 4 Final 130 ≤ kW ≤ 560	STD	0.19	0.40	3.5	0.02	*	*	*
	FEL	*	*	*	*	*	*	*
	NTE	0.28	0.60	4.4	0.03	*	*	*

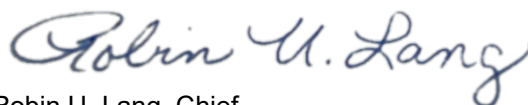
BE IT FURTHER RESOLVED: Any declared FEL is the emission limit to which all engines must comply in lieu of the standard limit for certification purposes, subject to the restrictions of averaging, banking, or trading (ABT) programs allowed by the applicable California test procedures.

BE IT FURTHER RESOLVED: For the listed engine models, the manufacturer has submitted materials to demonstrate certification compliance with 13 CCR 2424 (emission control labels), and 13 CCR Sections 2425 and 2426 (emission control warranty).

BE IT FURTHER RESOLVED: The listed engine models may only be installed in or on equipment such that engine operation is consistent with off-road compression-ignition engines as defined in 13 CCR 2421(a)(39).

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

Executed on this 11th day of December 2023.



Robin U. Lang, Chief
 Emissions Certification and Compliance Division

ATTACHMENT: ENGINE MODELS

Family: RFPXL08.7T4X EO Number: U-R-015-0577 Date Applicable: 11/21/2023

Model	Code	Trim	Config	Displacement	Peak Power			Peak Torque			ECS Num	GHG	Notes
					Power	Speed	Fueling	Torque	Speed	Fueling			
-	-	-	-	L	kW	rpm	mm3/stroke	N-m	rpm	mm3/stroke	-	-	-
F2CFE613A*B	F2CFE613A*B		I6	8.7	330	1800	246	1800	1500	248	1	N/A	
F2CFE613B*B	F2CFE613B*B		I6	8.7	307	1800	225	1675	1500	224	1	N/A	
F2CFE613C*B	F2CFE613C*B		I6	8.7	295	1800	215	1620	1500	217	1	N/A	
F2CFE613D*B	F2CFE613D*B		I6	8.7	279	1900	203	1550	1500	211	1	N/A	
F2CFE613E*B	F2CFE613E*B		I6	8.7	275	1800	207	1510	1500	212	1	N/A	
F2CFE613F*B	F2CFE613F*B		I6	8.7	250	1800	192	1350	1500	191	1	N/A	
F2CFE613G*B	F2CFE613G*B		I6	8.7	235	1800	176	1407	1500	198	1	N/A	
F2CFE613J*B	F2CFE613J*B		I6	8.7	310	1900	220	1705	1500	225	1	N/A	
F2CFE613K*B	F2CFE613K*B		I6	8.7	338	1800	251	1800	1500	249	1	N/A	
F2CFE613L*B	F2CFE613L*B		I6	8.7	305	1800	220	1675	1500	230	1	N/A	
F2CFE614T*B	F2CFE614T*B		I6	8.7	320	1800	232	1850	1400	248	1	N/A	
F2CFE614U*B	F2CFE614U*B		I6	8.7	239	1800	178	1479	1400	201	1	N/A	
F2CFE614V*B	F2CFE614V*B		I6	8.7	259	1800	198	1604	1400	219	1	N/A	
F2CFE615A*B	F2CFE615A*B		I6	8.7	330	1800	245	1750	1800	253	1	N/A	
F2CFE615B*B	F2CFE615B*B		I6	8.7	309	1800	236	1640	1800	236	1	N/A	
F2CFE615C*B	F2CFE615C*B		I6	8.7	282	1800	209	1496	1800	213	1	N/A	
F2CFE615D*B	F2CFE615D*B		I6	8.7	260	1800	199	1380	1800	198	1	N/A	