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	RFPXL08.7FR1	Diesel	Dedicated	Diesel	Variable and Constant Speed

Emission Control Systems	Special Features
[1]: Electronic Direct Injection (DDI), Engine Control Module (ECM), Turbocharger (TC), Charge Air Cooler (CAC), Diesel Oxidation Catalyst (DOC), Selective Catalytic Reduction – Urea/Periodic Trap Oxidizer (SCR+DPF), 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/kW-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 22nd day of January 2024.

Robin U. Lang

Robin U. Lang, Chief
Emissions Certification and Compliance Division

ATTACHMENT: ENGINE MODELS

Family: RFPXL08.7FR1 EO Number: U-R-015-0588 Date Applicable: 12/29/2023

					Peak Power			Peak Torque					
Model	Code	Trim	Config	Displacement	Power	Speed	Fueling	Torque	Speed	Fueling	ECS Num	GHG	Notes
-	-	-	-	L	kW	rpm	mm3/stroke	N-m	rpm	mm3/stroke	-	-	-
F2CGE613A*V	F2CGE613A*V		I6	8.7	250	1800	183	1350	1500	185	1	N/A	
F2CGE614L*V	F2CGE614L*V		I6	8.7	259	1800	188	1604	1400	223	1	N/A	
F2CGE613B*V	F2CGE613B*V		I6	8.7	275	1800	206	1510	1500	209	1	N/A	
F2CGE614M*V	F2CGE614M*V		I6	8.7	239	1800	177	1479	1400	205	1	N/A	
F2CGE614B*V	F2CGE614B*V		I6	8.7	265	1700	210	1667	1400	236	1	N/A	
F2CGE615B*V	F2CGE615B*V		I6	8.7	296	1800	218	1570	1800	223	1	N/A	
F2CGE613K*V	F2CGE613K*V		I6	8.7	338	1800	249	1800	1500	250	1	N/A	
F2CGE613D*V	F2CGE613D*V		I6	8.7	305	1800	220	1675	1500	221	1	N/A	
F2CGE614H*V	F2CGE614H*V		I6	8.7	281	1800	209	1705	1400	239	1	N/A	
F2CGE613M*V	F2CGE613M*V		I6	8.7	275	1800	203	1510	1500	211	1	N/A	
F2CGE614C*V	F2CGE614C*V		I6	8.7	290	1700	227	1767	1400	251	1	N/A	
F2CGE614D*V	F2CGE614D*V		I6	8.7	308	1700	240	1801	1400	256	1	N/A	
F2CGE614K*V	F2CGE614K*V		I6	8.7	320	1800	240	1850	1400	258	1	N/A	
F2CGE614A*V	F2CGE614A*V		I6	8.7	240	1700	190	1571	1400	222	1	N/A	
F2CGE614G*V	F2CGE614G*V		I6	8.7	301	1800	226	1800	1400	249	1	N/A	
F2CGE613E*V	F2CGE613E*V		I6	8.7	338	1800	249	1800	1500	250	1	N/A	
F2CGE614F*V	F2CGE614F*V		I6	8.7	320	1800	240	1850	1400	258	1	N/A	
F2CGE614E*V	F2CGE614E*V		I6	8.7	330	1800	250	1850	1400	263	1	N/A	
F2CGE613L*V	F2CGE613L*V		I6	8.7	305	1800	225	1675	1500	229	1	N/A	
F2CGE615A*V	F2CGE615A*V		I6	8.7	338	1800	250	1793	1800	255	1	N/A	