

Pursuant to the authority vested in California Air Resources Board by Sections 43013, 43018, 43101, 43102, 43104 and 43105 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-19-095;

**IT IS ORDERED AND RESOLVED:** That the following compression-ignition engines and emission control systems produced by the manufacturer are certified as described below 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	DISPLACEMENT (liters)	FUEL TYPE	USEFUL LIFE (hours)
2023	PFPXL08.7T4X	8.7	Diesel	8,000
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION	
[1]: Electronic Direct Injection, Engine Control Module, Turbocharger, Charge Air Cooler, Diesel Oxidation Catalyst, Selective Catalytic Reduction – Urea, Ammonia Oxidation Catalyst			Loader, Tractor, Generator Set, and Other Industrial Equipment	

The engine models and codes are attached.

The following are the exhaust certification standards (STD), or family emission limit(s) (FEL) as applicable, and certification levels (CERT) for non-methane hydrocarbon (NMHC), oxides of nitrogen (NOx), or non-methane hydrocarbon plus oxides of nitrogen (NMHC+NOx), carbon monoxide (CO), and particulate matter (PM) in grams per kilowatt-hour (g/kW-hr), and the opacity-of-smoke certification standards and certification levels in percent (%) during acceleration (Accel), lugging (Lug), and the peak value from either mode (Peak) for this engine family (Title 13, California Code of Regulations, (13 CCR) Section 2423):

RATED POWER CLASS	EMISSION STANDARD CATEGORY		EXHAUST (g/kw-hr)					OPACITY (%)		
			NMHC	NOx	NMHC+NOx	CO	PM	ACCEL	LUG	PEAK
130 ≤ kW ≤ 560	Tier 4 Final	<b>STD</b>	0.19	0.40	N/A	3.5	0.02	N/A	N/A	N/A
		<b>CERT</b>	0.001	0.33		0.04	0.01	--	--	--

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

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

**This Executive Order is only granted to the engine family and model-year listed above. Engines in this family that are produced for any other model-year are not covered by this Executive Order.**

This Executive Order hereby supersedes and cancels Executive Order U-R-015-0536 dated May 16, 2023.

Executed on this 3rd day of August 2023.



Robin U. Lang, Chief  
 Emissions Certification and Compliance Division

**ATTACHMENT: ENGINE MODELS**

Family: PFPXL08.7T4X EO Number: U-R-015-0536-1 Date Applicable: 7/25/23

Model	Code	Trim	Config	Displacement	Peak Power			Peak Torque			ECS Num	GHG	Notes
					Power	Speed	Fueling	Torque	Speed	Fueling			
-	-	-	-	L	hp	rpm	mm3/stroke	lb-ft	rpm	mm3/stroke	-	-	-
F2CFE613K*B	F2CFE613K*B	N/A	I6	8.7	412.72	2100	200	1333	1500	249	1	N/A	N/A
F2CFE613A*B	F2CFE613A*B	N/A	I6	8.7	408.7	2100	199	1333	1500	248	1	N/A	N/A
F2CFE613B*B	F2CFE613B*B	N/A	I6	8.7	381.9	2100	188	1241	1500	224	1	N/A	N/A
F2CFE613C*B	F2CFE613C*B	N/A	I6	8.7	355.1	2100	175	1200	1500	217	1	N/A	N/A
F2CFE613E*B	F2CFE613E*B	N/A	I6	8.7	328.3	2100	155	1119	1500	212	1	N/A	N/A
F2CFE613F*B	F2CFE613F*B	N/A	I6	8.7	301.5	2100	140	1000	1500	191	1	N/A	N/A
F2CFE613L*B	F2CFE613L*B	N/A	I6	8.7	368.5	2100	181	1241	1500	230	1	N/A	N/A
F2CFE613J*B	F2CFE613J*B	N/A	I6	8.7	389.94	2200	168	1263	1500	225	1	N/A	N/A
F2CFE615D*B	F2CFE615D*B	N/A	I6	8.7	348.4	1800	198	1022	1800	198	1	N/A	N/A
F2CFE615C*B	F2CFE615C*B	N/A	I6	8.7	377.88	1800	213	1108	1800	213	1	N/A	N/A
F2CFE615B*B	F2CFE615B*B	N/A	I6	8.7	414.06	1800	236	1215	1800	236	1	N/A	N/A
F2CFE615A*B	F2CFE615A*B	N/A	I6	8.7	442.2	1800	253	1297	1800	253	1	N/A	N/A
F2CFE613D*B	F2CFE613D*B	N/A	I6	8.7	335	2200	156	1148	1500	211	1	N/A	N/A
F2CFE613G*B	F2CFE613G*B	N/A	I6	8.7	281.4	2000	143	1042	1500	198	1	N/A	N/A
F2CFE614T*B	F2CFE614T*B	N/A	I6	8.7	408.7	2000	200	1370	1400	248	1	N/A	N/A
F2CFE614V*B	F2CFE614V*B	N/A	I6	8.7	314.9	2100	143	1188	1400	219	1	N/A	N/A
F2CFE614U*B	F2CFE614U*B	N/A	I6	8.7	289.44	2100	131	1096	1400	201	1	N/A	N/A