

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	PFPXL12.9TSS	12.9	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	STD	0.19	0.40	N/A	3.5	0.02	N/A	N/A	N/A
		CERT	0.04	0.29	N/A	0.008	0.02	--	--	--

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-015-0558 dated May 19, 2023.

Executed on this 3rd day of August 2023.



Robin U. Lang, Chief
 Emissions Certification and Compliance Division

ATTACHMENT: ENGINE MODELS

Family: PFPXL12.9TSS EO Number: U-R-015-0558-1 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	-	-	-
F3HFE613B*B	F3HFE613B*B	N/A	L6	12.9	545	2100	270	1778.52	1400	325	1	N/A	N/A
F3HFE613A*B	F3HFE613A*B	N/A	L6	12.9	563	2100	277	1740.74	1500	323	1	N/A	N/A
F3HFE613C*B	F3HFE613C*B	N/A	L6	12.9	523	2100	256	1740.74	1500	322	1	N/A	N/A
F3HFE613D*B	F3HFE613D*B	N/A	L6	12.9	515	2100	254	1672.59	1400	310	1	N/A	N/A
F3HFE613F*B	F3HFE613F*B	N/A	L6	12.9	496	2100	244	1715.56	1500	318	1	N/A	N/A
F3HFE613G*B	F3HFE613G*B	N/A	L6	12.9	464	2100	232	1490.37	1400	272	1	N/A	N/A
F3HFE613H*B	F3HFE613H*B	N/A	L6	12.9	429	2100	215	1483.70	1500	274	1	N/A	N/A
F3HFE615C*B	F3HFE615C*B	N/A	L6	12.9	473	1800	261	1388.15	1800	261	1	N/A	N/A
F3HFE615B*B	F3HFE615B*B	N/A	L6	12.9	509	1800	280	1494.07	1800	280	1	N/A	N/A
F3HFE615A*B	F3HFE615A*B	N/A	L6	12.9	568	1800	313	1666.67	1800	313	1	N/A	N/A