

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	PPFXL08.7T4V	8.7	Diesel	8,000
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION	
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) and certification levels (CERT) for non-methane hydrocarbon (NMHC), oxides of nitrogen (NO_x), or non-methane hydrocarbon plus oxides of nitrogen (NMHC+NO_x), 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	NO _x	NMHC+NO _x	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	0.09	0.24	N/A	0.3	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).

BE IT FURTHER RESOLVED: That the listed engine family is conditionally certified pending submission of additional test data to verify compliance with useful-life emission standards. The manufacturer must submit the necessary data by July 31, 2023 to confirm or correct the certification emissions levels on this conditional certification. Failure to submit the necessary data or resolve concerns by the specified date, shall be cause for the Executive Officer to rescind this conditional certification, in which case all engines covered under this conditional certification and introduced into commerce in the State of California shall be deemed uncertified pursuant to Health and Safety Code Section 43153 and subject to civil penalties pursuant to Health and Safety Code Section 43154.

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.

Executed on this 10th day of May 2023.



Robin U. Lang, Chief
Emissions Certification and Compliance Division

Attachment: Engine Models

EO #: U-R-015-0537

Family: PPFXL08.7T4V

Attachment Last Revised: 5/1/2023

Model	Code	Trim	Config	Displacement	Displacement - Units	Peak Power	Peak Power - Units	Peak Power - Speed (rpm)	Peak Power - Fueling	Peak Power - Fuel Units	Peak Torque	Peak Torque - Units	Peak Torque - Speed (rpm)	Peak Torque - Fuel	Peak Torque - Fuel Units	OBD	GHG	Special	Notes
F2CFE614A*B	F2CFE614A*B	N/A	16	8.7	Liters	409	horsepower	2000	200	mm3/stroke	1370.37	lb-ft	1400	248	mm3/stroke	N/A	N/A	N/A	DDI ECM TC CAC DOC SCR-u AMOX
F2CFE614B*B	F2CFE614B*B	N/A	16	8.7	Liters	409	horsepower	2100	193	mm3/stroke	1321.48	lb-ft	1400	239	mm3/stroke	N/A	N/A	N/A	DDI ECM TC CAC DOC SCR-u AMOX
F2CFE614C*B	F2CFE614C*B	N/A	16	8.7	Liters	370	horsepower	2000	182	mm3/stroke	1333.33	lb-ft	1400	243	mm3/stroke	N/A	N/A	N/A	DDI ECM TC CAC DOC SCR-u AMOX
F2CFE614D*B	F2CFE614D*B	N/A	16	8.7	Liters	342	horsepower	2000	165	mm3/stroke	1265.19	lb-ft	1400	231	mm3/stroke	N/A	N/A	N/A	DDI ECM TC CAC DOC SCR-u AMOX
F2CFE614E*B	F2CFE614E*B	N/A	16	8.7	Liters	340	horsepower	2100	153	mm3/stroke	1185.93	lb-ft	1400	216	mm3/stroke	N/A	N/A	N/A	DDI ECM TC CAC DOC SCR-u AMOX
F2CFE614G*B	F2CFE614G*B	N/A	16	8.7	Liters	311	horsepower	2000	147	mm3/stroke	1154.07	lb-ft	1400	211	mm3/stroke	N/A	N/A	N/A	DDI ECM TC CAC DOC SCR-u AMOX
F2CFE614S*B	F2CFE614S*B	N/A	16	8.7	Liters	390	horsepower	2000	192	mm3/stroke	1370.37	lb-ft	1400	248	mm3/stroke	N/A	N/A	N/A	DDI ECM TC CAC DOC SCR-u AMOX