

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	PCPXL12.5NTF	12.5	Diesel	8000
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION	
Electronic Direct Injection, Turbocharger, Charge Air Cooler, Diesel Oxidation Catalyst, Engine Control Module, Periodic Trap Oxidizer, Selective Catalytic Reduction-Urea, Ammonia Oxidation Catalyst			Loader, Tractor, Excavator, Motor Grader, Scraper, Agricultural Combine, Commercial 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 (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):

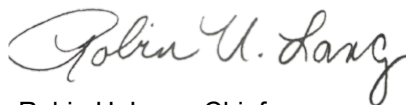
RATED POWER CLASS	EMISSION STANDARD CATEGORY		EXHAUST (g/kw-hr)					OPACITY (%)		
			NMHC	NOx	NMHC+NOx	CO	PM	ACCEL	LUG	PEAK
130≤kW≤560	Tier 4 Final	STD	0.19	0.40	N/A	3.5	0.02	N/A	N/A	N/A
		CERT	0.08	0.23	--	0.2	0.01	--	--	--

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.

Executed on this 13th day of September 2022.



Robin U. Lang, Chief
 Emissions Certification and Compliance Division

Attachment: Engine Models

EO #: U-R-001-0664

Family: PCPXL12.5NTF

Attachment Last Revised: 8/26/2022

Model	Code	Trim	Config	Displacement	Displacement -	Peak Power -	Peak Power -	Peak Power -	Peak Power - Fuel	Peak Torque	Peak Torque -	Peak Torque -	Peak Torque - Fuel		OBD	GHG	Special	Notes	
					Units	Units	Speed (rpm)	Fueling	Units		Units	Speed (rpm)	Peak Torque - Fuel	Units					
C13B	Cert Test 1	NA	I6	12.5	Liters	577	horsepower	2100	203.0	lb/hr	1943	lb-ft	1400	170.3	lb/hr	N/A	N/A	N/A	N/A
C13B	Cert Test 2	NA	I6	12.5	Liters	538	horsepower	1500	178.8	lb/hr	N/A	lb-ft	N/A	N/A	lb/hr	N/A	N/A	N/A	N/A
C13B	01	NA	I6	12.5	Liters	577	horsepower	2100	203.0	lb/hr	1943	lb-ft	1400	170.3	lb/hr	N/A	N/A	N/A	N/A
2406J	01A	NA	I6	12.5	Liters	577	horsepower	2100	203.0	lb/hr	1943	lb-ft	1400	170.3	lb/hr	N/A	N/A	N/A	N/A
C13B	02	NA	I6	12.5	Liters	536	horsepower	2100	191.2	lb/hr	1807	lb-ft	1400	157.9	lb/hr	N/A	N/A	N/A	N/A
2406J	02A	NA	I6	12.5	Liters	536	horsepower	2100	191.2	lb/hr	1807	lb-ft	1400	157.9	lb/hr	N/A	N/A	N/A	N/A
C13B	03	NA	I6	12.5	Liters	496	horsepower	2100	180.1	lb/hr	1671	lb-ft	1400	145.4	lb/hr	N/A	N/A	N/A	N/A
2406J	03A	NA	I6	12.5	Liters	496	horsepower	2100	180.1	lb/hr	1671	lb-ft	1400	145.4	lb/hr	N/A	N/A	N/A	N/A
C13B	04	NA	I6	12.5	Liters	456	horsepower	2100	163.1	lb/hr	1536	lb-ft	1400	133.6	lb/hr	N/A	N/A	N/A	N/A
2406J	04A	NA	I6	12.5	Liters	456	horsepower	2100	163.1	lb/hr	1536	lb-ft	1400	133.6	lb/hr	N/A	N/A	N/A	N/A
C13B	05	NA	I6	12.5	Liters	538	horsepower	1500	178.8	lb/hr	N/A	lb-ft	N/A	N/A	lb/hr	N/A	N/A	N/A	N/A
2406J	05A	NA	I6	12.5	Liters	538	horsepower	1500	178.8	lb/hr	N/A	lb-ft	N/A	N/A	lb/hr	N/A	N/A	N/A	N/A
C13B	06	NA	I6	12.5	Liters	575	horsepower	1800	196.6	lb/hr	N/A	lb-ft	N/A	N/A	lb/hr	N/A	N/A	N/A	N/A
2406J	06A	NA	I6	12.5	Liters	575	horsepower	1800	196.6	lb/hr	N/A	lb-ft	N/A	N/A	lb/hr	N/A	N/A	N/A	N/A
C13B	07	NA	I6	12.5	Liters	445	horsepower	1700	152.8	lb/hr	1608	lb-ft	1200	120.6	lb/hr	N/A	N/A	N/A	N/A
C13B	08	NA	I6	12.5	Liters	334	horsepower	2050	117.8	lb/hr	1416	lb-ft	1200	106.1	lb/hr	N/A	N/A	N/A	N/A
C13B	09	NA	I6	12.5	Liters	355	horsepower	2050	124.7	lb/hr	1564	lb-ft	1200	117.0	lb/hr	N/A	N/A	N/A	N/A
C13B	10	NA	I6	12.5	Liters	429	horsepower	2100	148.6	lb/hr	1612	lb-ft	1200	119.9	lb/hr	N/A	N/A	N/A	N/A