CALIFORNIA AIR RESOURCES BOARD
Air resources board

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)				
2022	NDZXL06.1048	6.057	Diesel	8000				
SPECIAL	FEATURES & EMISSION O	CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION					
Charge Exhau	non Rail Direct Injection e Air Cooler, Electronic ıst Gas Recirculation, C zer, Selective Catalytic	Control Module, Continuous Trap	Tractor					

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			l	EXHAUST (g/kw-ł		OPACITY (%)			
	STANDARD CATEGORY		NMHC	NOx	NMHC+NOx	со	РМ	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	0.06	0.31		0.8	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 Executive Order U-R-013-0669 dated January 3, 2022.

Executed on this <u>26th</u> day of April 2022.

Allen Lyons, Chief Emissions Certification and Compliance Division

Attachment: Engine Models

EO #: U-R-013-0669 -1

Family: NDZXL06.1048

Attachment Last Revised: 12/29/2021

					Displacement -		Peak Power -	Peak Power -	Peak Power -	Peak Power - Fu	el	Peak Torque -	Peak Torque -	Peak Torque -	Peak Torque -				
Model	Code	Trim	Config	Displacement	Units	Peak Power	Units	Speed (rpm)	Fueling	Units	Peak Torque	Units	Speed (rpm)	Fuel	Fuel Units	OBD	GHG	Special	Notes
TTCD6.1L6	CFWT211U		L6	6.057	Liters	282.9	horsepower	2100	101.4	lb/hr	904.2	lb-ft	1450	86.9	lb/hr	N/A	N/A	N/A	N/A
TTCD6.1L6	CFWT195U		L6	6.057	Liters	261.4	horsepower	2100	65.1	lb/hr	836.3	lb-ft	1450	77.7	lb/hr	N/A	N/A	N/A	N/A
TTCD6.1L6	CFWT181U		L6	6.057	Liters	242.7	horsepower	2100	88.5	lb/hr	777.3	lb-ft	1450	71.8	lb/hr	N/A	N/A	N/A	N/A
	CFWT166U		L6	6.057	Liters	222.6	horsepower	2100	81.5	lb/hr	714.6	lb-ft	1450	65	lb/hr	N/A	N/A	N/A	N/A
TTCD6.1L6	CFWT196U		L6	6.057	Liters	261.4	horsepower	2200	95.1	lb/hr	836.3	lb-ft	1450	77.7	lb/hr	N/A	N/A	N/A	N/A
TTCD6.1L6	CFWT182U		L6	6.057	Liters	242.7	horsepower	2200	88.5	lb/hr	777.3	lb-ft	1450	71.8	lb/hr	N/A	N/A	N/A	N/A
TTCD6.1L6	CFWT212U		L6	6.057	Liters	282.9	horsepower	2100	101.4	lb/hr	904.2	lb-ft	1450	84.9	lb/hr	N/A	N/A	N/A	N/A
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