

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	NDZXL06.1059	6.057	Diesel	8000
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION	
Common Rail Direct Injection, Turbocharger, Charge Air Cooler, Electronic Control Module, Exhaust Gas Recirculation, Diesel Oxidation Catalyst, Continuous Trap Oxidizer, Selective Catalytic Reduction-Urea			Off-Road Crane, Loader, Pump, Compressor, Material Handler	

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
75 ≤ kW < 130	Tier 4 Final	STD	0.19	0.40	N/A	5.0	0.02	N/A	N/A	N/A
		CERT	0.02	0.18	--	1.5	0.01	--	--	--

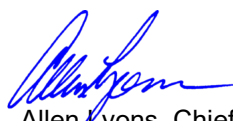
BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the information and materials to demonstrate certification compliance with 13 CCR Section 2424 (emission control labels), and 13 CCR Sections 2425 and 2426 (emission control system warranty).

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-013-0656 dated January 2, 2022.

Executed on this 27th day of April 2022.



Allen Lyons, Chief
 Emissions Certification and Compliance Division

Attachment: Engine Models

EO #: U-R-013-0656 -1

Family: NDZXL06.1059

Attachment Last Revised: 12/28/2021

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
TCD6.1L6	CFV1129		L6	6.057	Liters	172.9	horsepower	2200	64.8	lb/hr	553.2	lb-ft	1450	52.4	lb/hr	N/A	N/A	N/A	N/A
TCD6.1L6	CFV1129A		L6	6.057	Liters	172.9	horsepower	2000	61.9	lb/hr	553.2	lb-ft	1450	52.4	lb/hr	N/A	N/A	N/A	N/A
TCD6.1L6	CFV1129B		L6	6.057	Liters	172.9	horsepower	2100	63.4	lb/hr	553.2	lb-ft	1450	52.4	lb/hr	N/A	N/A	N/A	N/A
TCD6.1L6	CFV1120		L6	6.057	Liters	160.9	horsepower	1800	56.6	lb/hr	549.5	lb-ft	1450	52.1	lb/hr	N/A	N/A	N/A	N/A
TCD6.1L6	CFV1105		L6	6.057	Liters	140.8	horsepower	2000	50.9	lb/hr	464.7	lb-ft	1450	44.2	lb/hr	N/A	N/A	N/A	N/A
TCD6.1L6	C5V1129		L6	6.057	Liters	172.9	horsepower	2200	64.8	lb/hr	553.2	lb-ft	1450	52.4	lb/hr	N/A	N/A	N/A	N/A
TCD6.1L6	C5V1129A		L6	6.057	Liters	172.9	horsepower	2000	61.9	lb/hr	553.2	lb-ft	1450	52.4	lb/hr	N/A	N/A	N/A	N/A
TCD6.1L6	C5V1129B		L6	6.057	Liters	172.9	horsepower	2100	63.4	lb/hr	553.2	lb-ft	1450	52.4	lb/hr	N/A	N/A	N/A	N/A
TCD6.1L6	C5V1129C		L6	6.057	Liters	160.9	horsepower	1800	56.6	lb/hr	553	lb-ft	1450	52.1	lb/hr	N/A	N/A	N/A	N/A
TCD6.1L6	C5V1105		L6	6.057	Liters	140.8	horsepower	2000	50.9	lb/hr	464.7	lb-ft	1450	44.2	lb/hr	N/A	N/A	N/A	N/A
TCD6.1L6	CFV1129C		L6	6.057	Liters	160.9	horsepower	1800	56.6	lb/hr	553	lb-ft	1450	52.1	lb/hr	N/A	N/A	N/A	N/A