

## **DEUTZ AG**

**EXECUTIVE ORDER U-R-013-0656** 

New Off-Road Compression-Ignition Engines Page 1 of 2

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					
Charge Exhau	non Rail Direct Injection e Air Cooler, Electronic ust Gas Recirculation, I st, Continuous Trap Ox Catalytic Reduction	Control Module, Diesel Oxidation kidizer, Selective	Off-Road Crane, Loader, Pump, ( Material Handler	Compressor,				

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	EMISSION				EXHAUST (g/kw-ł		OPACITY (%)			
POWER CLASS	STANDARD CATEGORY		NMHC	NOx	NMHC+NOx	СО	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).

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 March 31, 2022 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.



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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 2nd day of January 2022.

Allen Lyons, Chief

**Emissions Certification and Compliance Division** 

**Attachment: Engine Models** 

EO #: U-R-013-0656

Family: NDZXL06.1059

Attachment Last Revised: 12/28/2021

					Displacement -		Peak Power -	Peak Power -	Peak Power -	Peak Power - Fue	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
TCD6.1L6	CFVI129		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	CFVI129A		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	CFVI129B		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	CFVI120		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	CFVI105		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	C5VI129		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	C5VI129A		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	C5VI129B		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	C5VI129C		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	C5VI105		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	CFVI129C		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
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