

## **DEUTZ AG**

## **EXECUTIVE ORDER U-R-013-0667-1**

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

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	NDZXL07.8047	7.755	Diesel	8000				
SPECIAL	. FEATURES & EMISSION (	CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION					
Common Rail Direct Injection, Turbocharger, Charge Air Cooler, Electronic Control Module, Exhaust Gas Recirculation, Continuous Trap Oxidizer, Selective Catalytic Reduction-Urea			Tractor, Loader, Material H	andler				

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			ı	EXHAUST (g/kw-l		OPACITY (%)			
POWER CLASS	STANDARD CATEGORY		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	0.02	0.31		0.01	0.004			

**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-013-0667 dated January 4, 2022.

Executed on this 14th day of April 2022.

Allen Lyons, Chief

**Emissions Certification and Compliance Division** 

im Config Displacement   L6 7.755   L6 7.755	Units Pe													
		ak Power Units	Speed (r	om) Fueling	Fuel Units	Peak Torque	Units	Speed (rpm)	Fuel	Fuel Units	OBD	GHG	Special	Notes
16 7755	Liters	390.2 hors	epower 21	00 199.1	mm3/stroke	1154	lb-ft	1500	221.3	mm3/stroke				
1./55	Liters	360.7 hors	epower 21	00 183.4	mm3/stroke	1117	lb-ft	1500	213.9	mm3/stroke				
L6 7.755	Liters	331.2 hors	epower 21	00 169.1	mm3/stroke	1018	lb-ft	1500	192.9	mm3/stroke				
L6 7.755	Liters	300.3 hors	epower 21	00 155.1	mm3/stroke	943	lb-ft	1500	177.9	mm3/stroke				
L6 7.755	Liters	270.8 hors	epower 21	00 142.2	mm3/stroke	856	lb-ft	1500	160.1	mm3/stroke				
L6 7.755	Liters	311.1 hors	epower 21	00 160.5	mm3/stroke	1012	lb-ft	1500	194.5	mm3/stroke				
L6 7.755	Liters	291.6 hors	epower 21	00 152.5	mm3/stroke	951.4	lb-ft	1500	182.5	mm3/stroke				
L6 7.755	Liters	272.8 hors	epower 21	00 143.5	mm3/stroke	888.7	lb-ft	1500	170.0	mm3/stroke				
L6 7.755	Liters	254.1 hors	epower 21	00 135.0	mm3/stroke	826	lb-ft	1500	156.5	mm3/stroke				
L6 7.755	Liters	341.9 hors	epower 21	00 175.5	mm3/stroke	1104.8	lb-ft	1500	213.5	mm3/stroke				
L6 7.755	Liters	270.8 hors	epower 21	00 142.2	mm3/stroke	856	lb-ft	1500	160.1	mm3/stroke				
L6 7.755	Liters	300.3 hors	epower 21	00 155.1	mm3/stroke	943	lb-ft	1500	177.9	mm3/stroke				
L6 7.755	Liters	331.2 hors	epower 21	00 169.1	mm3/stroke	1018	lb-ft	1500	192.9	mm3/stroke				
L6 7.755	Liters	360.7 hors	epower 21	00 183.4	mm3/stroke	1117	lb-ft	1500	213.9	mm3/stroke				
L6 7.755	Liters	390.2 hors	epower 21	00 199.1	mm3/stroke	1154	lb-ft	1500	221.3	mm3/stroke				
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