

DEUTZ AG

EXECUTIVE ORDER U-R-013-0660

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	NDZXL07.8046	7.755	Diesel	8000					
SPECIAL	FEATURES & EMISSION CONTROL SYSTEMS TYPICAL EQUIPMENT APPLICATION								
Charge Exhau	non Rail Direct Injection e Air Cooler, Electronic ust Gas Recirculation, C er, Diesel Oxidation Ca Catalytic Reduction	Control Module, Continuous Trap Italyst, Selective	Loader, Dozer, 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 (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-ł	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	0.002	0.30	-	0.2	0.02		1	

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 <u>3rd</u> day of January 2022.

Allen Lyons, Chief

Emissions Certification and Compliance Division

Attachment: Engine Models EO #: U-R-013-0660 Family: NDZXL07.8046 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
D8J	CFVI160		16	7.755	Liters	214.5	horsepower	1800	74.3	lb/hr	1110	N-m	1350	70.6	lb/hr	N/A	N/A	N/A	N/A
D8J	CFVI210		16	7.755	Liters	281.5	horsepower	1800	95.9	lb/hr	1360	N-m	1350	86.4	lb/hr	N/A	N/A	N/A	N/A
D8J	CFVI180		16	7.755	Liters	241.3	horsepower	1800	81.5	lb/hr	1238	N-m	1350	77.8	lb/hr	N/A	N/A	N/A	N/A
D8J	CFVI180A		16	7.755	Liters	241.3	horsepower	1800	81.5	lb/hr	1238	N-m	1350	77.8	lb/hr	N/A	N/A	N/A	N/A
D8J	CFVI175		16	7.755	Liters	234.6	horsepower	1800	79.7	lb/hr	1230	N-m	1500	86	lb/hr	N/A	N/A	N/A	N/A
D8J	CFVI175A		16	7.755	Liters	234.6	horsepower	1800	79.7	lb/hr	1230	N-m	1500	86	lb/hr	N/A	N/A	N/A	N/A
D8J	CFVI200		16	7.755	Liters	268.1	horsepower	2000	93.3	lb/hr	1273	N-m	1500	90	lb/hr	N/A	N/A	N/A	N/A
D8J	CFVI187		16	7.755	Liters	250.7	horsepower	2100	88.8	lb/hr	1096	N-m	1500	77.5	lb/hr	N/A	N/A	N/A	N/A
D8J	CFVI209		16	7.755	Liters	280.2	horsepower	2100	97.9	lb/hr	1236	N-m	1500	87	lb/hr	N/A	N/A	N/A	N/A
D8J	CFVI176		16	7.755	Liters	236	horsepower	2100	82.5	lb/hr	1250	N-m	1450	86	lb/hr	N/A	N/A	N/A	N/A
D8J	CFVI180B		16	7.755	Liters	241.3	horsepower	2100	85.3	lb/hr	1330	N-m	1450	90.4	lb/hr	N/A	N/A	N/A	N/A
D8J	CFVI165		16	7.755	Liters	221.2	horsepower	2100	76.9	lb/hr	1076	N-m	1500	83.5	lb/hr	N/A	N/A	N/A	N/A
SD80F	CFVI176A		16	7.755	Liters	236	horsepower	2100	82.5	lb/hr	1250	N-m	1450	86	lb/hr	N/A	N/A	N/A	N/A
SD80F	CFVI180S		16	7.755	Liters	241.3	horsepower	2100	85.3	lb/hr	1330	N-m	1450	90.4	lb/hr	N/A	N/A	N/A	N/A
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