California I	Environmental Prot	ection Agency
Ø≣ Air	Resource	s Board

DEUTZ AG

EXECUTIVE ORDER U-R-013-0454 New Off-Road Compression-Ignition Engines

Pursuant to the authority vested in the 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-02-003:

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)
2013	DDZXL06.1022	6.057	Diesel	8000
SPECIAL	FEATURES & EMISSION	CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLIC	ATION
Common F Cooler, E	Rail Direct Injection, Turb lectronic Control Module Reduction-Ure	, Selective Catalytic	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	EMISSION STANDARD			EX	HAUST (g/kw-hi	r)		OP	ACITY (%)
POWER CLASS	CATEGORY		NMHC	NOx	NMHC+NOx	co	PM	ACCEL	LUG	PEAK
130 ≤ kW < 560	Interim Tier 4 / ALT NO _x	STD	0.19	2.0	N/A	3.5	0.02	N/A	N/A	N/A
·		CERT	0.09	1.7		0.4	0.02			

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.

Executed at El Monte, California on this ______ day of March 2013.

Annette Hebert, Chief

Mobile Source Operations Division

Devite Att Engine Code 2.Engine Model Standary Template Engine Family 1.Engine Code 2.Engine Model 272.2@2100 140 97.9 1171@1450 1135@1450 102XL06.1022 C4ST1304 TCD6.1L6 252.1@2100 140 97.9 1171@1450 102XL06.1022 C4ST1744 TCD6.1L6 233.3@2100 119.5 83.6 1055@1450 103XL06.1022 C4ST1594 TCD6.1L6 213.2@2100 109 76.2 970@1450 103XL06.1022 C4ST1594 TCD6.1L6 213.2@2100 109 76.2 970@1450 103XL06.1022 C4ST1444 TCD6.1L6 213.2@2100 109 76.2 970@1450 103XL06.1022 103XL06.1022		* # 1	EO # U-R-013-0454 B.Fuel Rate: (Ibs/hn)@peak
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