EXECUTIVE ORDER U-R-013-0183 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 system 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)			
2006	6DZXL01.6049	1.17, 1.56	Diesel				
	FEATURES & EMISSION (		TYPICAL EQUIPMENT APPLICATION				
	Indirect Diesel Inje	ction	Compressor, Generator Set				

The engine models and codes are attached.

The following are the exhaust certification standards (STD) and certification levels (CERT) for hydrocarbon (HC), 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 POWER	EMISSION			E	01	OPACITY (%)				
CLASS	STANDARD CATEGORY		HC	NOx	NMHC+NOx	co	PM	ACCEL	LUG	PEAK
8 <u>&lt;</u> kW < 19	Tier 2	STD	N/A	N/A	7.5	6.6	0.80	N/A	N/A	N/A
		CERT	-	-	5.1	0.8	0.11	-	-	-

**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 December 2005.

Allen Lyons, Chief

Mobile Source Operations Division

## Engine Model Surrary Form

Deutz AG Manufacturer:

Nonroad Cl Engine category:

6DZXL01.6049 EPA Engine Family.

Mfr Family Name: D2008L3, D2008L4

Process Code:

New Submission

Attachment 4-R-013-0183

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9.Emi Device I	ā	⊡	Ā	Δ	A Company of the Comp	A hadoologisty krammaniamaniamaniamaniamaniamaniamaniama					
8.Fuel Rate: (lbs/hr)@peak torque	0	0	O A Section of the control of the co	0							
7.Fuel Rate: mm/stroke@peak torque	0	0	0	0				A = = = = = = = = = = = = = = = = = = =			
6.Torque @ RPM (SEA Gross)	n.a.@n.a.	n.a.@n.a.	66.9@1500	92.3@1500							
5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	7.1		7.7	9.6							
4.Fuel Rate: mm/stroke @ peak HP (for diesel only)	26	amaine radacites access princip de proposition de principal de principal de la companie de la co	26	24.1					88		
3.BHP@RPM (SAE Gross)	17.2@1800	(f 24.2@1800	17.2@1800	24.2@1800	A demandament of the control of the						
2.Engine Model	D2008L03	D2008L04 (\$	;	D2008L04							
1.Engine Code	√ DE12,9	DE18,1	CE12,9	CE18,1							