DEUTZ AG

EXECUTIVE ORDER U-R-013-0182 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 6DZXL02.3048		2.29	Diesel	8000					
	FEATURES & EMISSION		TYPICAL EQUIPMENT APPLICATION						
C	Pirect Diesel Injection, Tu	ırbocharger	Crane, Loader, Tractor, Dozer, Pump, Compressor						

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 STANDARD				EXHAUST (g/kW-l		OPACITY (%)				
CLASS	CATEGORY		нс	NOx	NMHC+NOx	co	PM	ACCEL	LUG	PEAK	
37 ≤ kW < 75	Tier 2	STD	N/A	N/A	7.5	5.0	0.40	20	15	50	
		CERT	-	_	6.1	1.3	0.30	4	5	6	

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.

Allen Lyons, Chief

Mobile Source Operations Division

Rophael Susmonity

Engine Model Summary Form

Manufacturer: Deutz AG

Engine category: Nonroad Cl

EPA Engine Family: 6DZXL02.3048

Mfr Family Name: TD2009L04 CODE CE 50 FAM.

Process Code: New Submission

Attachment 4-72-0182

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9.Emission Control Device Per SAE J1930		DDI, TC, EM	DDI, TC, EM	DDI, TC, EM				Annualistatus delegat may proper may memerina memerina manamatan delegat deleg			mi mamma	and the second s			manu dedich deme debed persona saman manana manana manana reban i daman d		 	
8.Fuel Rate: (lbs/hr)@peak torque	20.3	20.3	20.3	20.3				en en ennemid numbritariskrikskrikskrikskrikskrikskrikskriksk	to be designed to the property of the second			market a comparation of the design of the community of the contract of the con			regions of metallic and the second		7	
7.Fuel Rate: mm/stroke@peak torque	45.7	45.7	45.7	45.7											0,000			
6.Torque @ RPM (SEA Gross)	201@1800	201@1800	201@1800	201@1800				A A VAN AND THE				errenne maneria d'aududés renne erre d'ar et leve er en	A CONTRACT OF A CHARMAC MARKETINE MARKETINE THE REAL PROPERTY OF THE PROPERTY	The second secon	No. of the Control of		# 1112 A D D D D D D D D D D D D D D D D D D	
5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	28.9	maniformations defining the desirable secretaries for two quarters of performances in the contract of the cont	25	23.9				er og krityer inner mennemmennennin menne mennes tennesse kotstearsen v. 1 1888 (s. 1949).				est destruction and the second		and the second management of the second manage				
4.Fuel Rate: mm/stroke @ peak HP (for diesel only)	43.4	1000 100 100 100 100 100 100 100 100 10	43,4	43.2		0.000							THE THE PARTY OF T	And the second of the second o				
3.BHP@RPM (SAE Gross)	67@3000	66.3@2800	63.9@2600	63.8@2500						**************************************					**************************************			
2.Engine Model	TD2009L04	TD2009L04	TD2009L04	TD2009L04												MAN (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)		
1.Engine Code	CE50	CE49,5	CE47,7	CE47,6				\$1.50 a.50 a.50 a.50 a.50 a.50 a.50 a.50 a										