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)		
2009	9JDXL03.0203	3.0	Diesel	8000		
	FEATURES & EMISSION (QUIPMENT APPLICATION		
Direct Diesel Injection, Turbocharger, Charge Air Cooler, Electronic Control Module, Smoke Puff Limiter			Pump, Compressor, Generator Set, Other Industrial Equipment			

The engine models and codes are attached.

The following are the exhaust certification standards (STD), or family emission limit(s) (FEL) as applicable, 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	EMISSION		EXHAUST (g/kw-hr)				OI	PACITY (%	(%)	
POWER CLASS	STANDARD CATEGORY		нс	NOx	NMHC+NOx	co	PM	ACCEL	LUG	PEAK
37 ≤ kW < 56	Tier 4 interim	STD	N/A	N/A	4.7	5.0	0.30	20	15	50
		FEL			5.0					
		CERT			4.2	0.8	0.17	9	2	14

BE IT FURTHER RESOLVED: That the family emission limit(s) (FEL) is an emission level declared by the manufacturer for use in any averaging, banking and trading program and in lieu of an emission standard for certification. It serves as the applicable emission standard for determining compliance of any engine within this engine family under 13 CCR Sections 2423 and 2427.

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 2008.

Annette Hebert, Chief

Mobile Source Operations Division

Engine Model Summary Form

U-R-004-0349

Manufacturer:

John Deere Power Systems

Engine category:

Nonroad Cl EPA Engine Family: 9JDXL03.0203

Mfr Family Name: 250HBA Process Code:

New Submission

Attachment

P. 1 of 1

1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate: mm/stroke @ peak HP (for diesel only)	5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	6.Torque @ RPM (SEA Gross)	7.Fuel Rate: mm/stroke@peak torque	8.Fuel Rate: (ibs/hr)@peak torque	9.Emission Control Device Per SAE J1930
5030HLV11A	5030H 48	cw 63.70@2200	40.80@2200	25.14@2200	199.12@1650	51.7@1650	23.99@1650	EM EC SPL 1
5030HLV11B	5030H	73.76@2200	46.90@2200	29.11@2200	221.24@1650	57.1 @1 650	26.48@1650	EM EC SPL
5030HF295A	5030H 55	KW73.76@2200	48.80@2200	30.21@2200	234.52@1650	61.0@1650	28.22@1650	EM EC SPL
1, 4, 12%								
		A SECTION OF STREET						The second secon
								historia anno anno anno anno anno anno anno an
	A CONTRACT OF STREET, and A A A A A A A A A A A A A A A A A A A							
			of the National Statement was a second and					