

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)
2008	8JDXL03.0203	2.4, 3.0	Diesel	8000
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT 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 POWER CLASS	EMISSION STANDARD CATEGORY		EXHAUST (g/kw-hr)					OPACITY (%)		
			HC	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

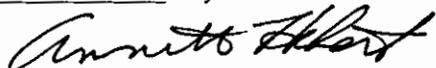
**BE IT FURTHER RESOLVED:** That the family emission limit(s) (FEL) is an emission level declared by the manufacturer for use in any averaging, banking and trading program and in lieu of an emission standard for certification. It serves as the applicable emission standard for determining compliance of 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 21 day of December 2007.

  
 Annette Hebert, Chief  
 Mobile Source Operations Division

# Engine Model Summary Form

Manufacturer: **John Deere Power Systems**  
 Engine category: **Nonroad CI**  
 EPA Engine Family: **8JDXL03.0203**  
 Model Name: **250HBA**  
 Code: **New Submission**

Attachment p. 1 of 4  
 U-R-004-0332

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: (lbs/hr)@peak torque	9.Emission Control Device Per SAE J1930
5030HF295A	5030H	73.76@2200	48.80@2200	30.21@2200	234.52@1650	61.0@1650	28.22@1650	EM EC DFI TC, <b>CR C, SPL</b>

# Engine Model Summary Form

Manufacturer: **John Deere Power Systems**

Engine category: **Nonroad CI**

EPA Engine Family: **8JDXL03.0203**

Model Name: **250HBA**

Code: **Running Change**

U-R-004-0332

Attachment p. 2 of 4

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: (lbs/hr)@peak torque	9. Emission Control Device Per SAE J1930	DDI, TC
4024HF295A	4024H	65.72@2800	46.10@2800	29.02@2800	167.41@2000	55.8@2000	25.09@2000	EM EC SPL	CAC
4024HF295D	4024H	60.35@2400	47.50@2400	25.64@2400	171.10@1800	56.4@1800	22.82@1800	EM EC SPL	
4024HF295C	4024H	65.72@2400	48.70@2400	26.31@2400	187.32@1800	60.9@1800	24.67@1800	EM EC SPL	
4024HF295B	4024H	61.02@2800	43.90@2800	27.67@2800	157.82@2000	53.5@2000	24.06@2000	EM EC SPL	

# Engine Model Summary Form

Manufacturer: **John Deere Power Systems**  
 Line category: **Nonroad CI**  
 Engine Family: **8JDXL03.0203**  
 Family Name: **250HBA**  
 Access Code: **Running Change**

U-2-004-0332

Attachment p. 3 of 4

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: (lbs/hr)@peak torque	9. Emission Control Device Per SAE J1930
4024HLV11A	4024H	60.35@2400	46.20@2400	24.92@2400	167.41@1800	55.6@1800	22.49@1800	EM EC SPL DF,TC,CAC
4024HLV11B	4024H	65.72@2400	49.90@2400	26.92@2400	188.80@1800	61@1800	24.81@1800	EM EC SPL ↓

### Engine Model Summary Form

Manufacturer: **John Deere Power Systems**  
 Engine category: **Nonroad CI**  
 EPA Engine Family: **8JDXL03.0203**  
 Mfr Family Name: **250HBA**  
 Process Code: **Running Change**

N-R-004-0332

Attachment p. 4 of 4

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: (lbs/hr)@peak torque	9. Emission Control Device Per SAE J1930
5030HLV11A	5030H	63.70@2200	40.80@2200	25.14@2200	199.14@1650	51.7@1650	23.99@1650	EM EC SPL
5030HLV11B	5030H	73.76@2200	46.90@2200	29.11@2200	221.27@1650	57.1@1650	26.48@1650	EM EC SPL

*DDI, TG, CAC*