



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)
2007	7JDXL03.0063	2.4, 3.0	Diesel	8000
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION	
Direct Diesel Injection, Smoke Puff Limiter, Turbocharger			Loader, Tractor, Pump, Compressor, Generator Set, Other Industrial Equipment	

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 CLASS	EMISSION STANDARD CATEGORY		EXHAUST (g/kW-hr)					OPACITY (%)		
			HC	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	-	-	6.9	1.9	0.34	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.

Executed at El Monte, California on this 20 day of December 2006.

Annette Hebert, Chief
Mobile Source Operations Division

Engine Model Summary Form

Manufacturer: **John Deere Power Systems of Deere and**
 Engine category: **Nonroad CI**
 EPA Engine Family: **7JDXL03.0063**
 Mfr Family Name: **250TA**
 Product Code: **New Submission**

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Eo# U-R-004-0273

1.Engine Code	2.Engine Model	3.BHP @ RPM (SAE Gross)	4.Fuel Rate: mm ³ /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 ³ /stroke @ peak torque	8.Fuel Rate: (lbs/hr) @ peak torque	9.Emission Control Device Per SAE J1930
5030TF270B	5030T	82.48 @ 2800	45.90 @ 2800	38.16 @ 2800	207.97 @ 1680	55.3 @ 1680	26.24 @ 1680	EM SPL DFI TC
4024TF270A	4024T	61.02 @ 2800	41.00 @ 2800	25.80 @ 2800	154.13 @ 1680	49.6 @ 1680	18.74 @ 1680	EM SPL DFI TC
5030TF270A	5030T	75.10 @ 2800	40.50 @ 2800	31.97 @ 2800	194.70 @ 1680	49.9 @ 1680	23.59 @ 1680	EM SPL DFI TC
4024TF270B	4024T	65.72 @ 2800	43.70 @ 2800	27.34 @ 2800	165.20 @ 1680	53.6 @ 1680	20.29 @ 1680	EM SPL DFI TC
5030TF270C	5030T	80.47 @ 1800	65.20 @ 1800	32.04 @ 1800				EM SPL DFI TC
5030TT003	5030T	75.10 @ 2800	40.50 @ 2800	31.97 @ 2800	194.70 @ 1680	49.9 @ 1680	23.59 @ 1680	EM SPL DFI TC
4024TT003	4024T	65.72 @ 2800	43.70 @ 2800	27.34 @ 2800	165.20 @ 1680	53.6 @ 1680	20.29 @ 1680	EM SPL DFI TC
4024TT001	4024T	61.02 @ 2800	41.00 @ 2800	25.80 @ 2800	154.13 @ 1680	49.6 @ 1680	18.74 @ 1680	EM SPL DFI TC
4024TT002	4024T	65.72 @ 2800	43.70 @ 2800	27.34 @ 2800	165.20 @ 1680	53.6 @ 1680	20.29 @ 1680	EM SPL DFI TC
5030TT001	5030T	75.10 @ 2800	40.50 @ 2800	31.97 @ 2800	194.70 @ 1680	49.9 @ 1680	23.59 @ 1680	EM SPL DFI TC
5030TT002	5030T	82.48 @ 2800	45.90 @ 2800	35.50 @ 2800	209.44 @ 1680	55.3 @ 1680	26.24 @ 1680	EM SPL DFI TC
4024TLV06	4024T	52.30 @ 2400	37.60 @ 2400	20.29 @ 2400	146.76 @ 1440	47.2 @ 1440	15.28 @ 1440	EM SPL DFI TC
4024TLV07	4024T	56.33 @ 2400	39.80 @ 2400	21.50 @ 2400	160.77 @ 1440	50.8 @ 1440	16.50 @ 1440	EM SPL DFI TC
4024TLV08	4024T	61.69 @ 2400	43.20 @ 2400	23.31 @ 2400	174.78 @ 1440	55.3 @ 1440	17.91 @ 1440	EM SPL DFI TC
5030TLV03	5030T	57.67 @ 2400	34.60 @ 2400	23.33 @ 2400	170.36 @ 1440	43 @ 1440	17.42 @ 1440	EM SPL DFI TC
5030TLV04	5030T	68.40 @ 2400	40.10 @ 2400	27.03 @ 2400	196.91 @ 1440	49.9 @ 1440	20.20 @ 1440	EM SPL DFI TC
4024TF270F	4024T	56.33 @ 2400	39.80 @ 2400	21.50 @ 2400	160.77 @ 1440	50.9 @ 1440	16.50 @ 1440	EM SPL DFI TC

Engine Model Summary Form

Manufacturer: John Deere Power Systems
Engine category: Nonroad CI
EPA Engine Family: 7JDXL03.0083
Mfr Family Name: 250TA
Process Code: Running Change

Attachment p. 2 of 2
 U-R-004-0273

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	
4024TF270L	4024T	56.33@2400	39.80@2400	21.50@2400	160.77@1440	50.9@1440	18.50@1440	EM SPL DFI	FC ↓
4024TF270K	4024T	65.72@2800	43.70@2800	27.34@2800	165.20@1680	53.6@1680	20.29@1680	EM SPL DFI	
4024TF270J	4024T	61.02@2800	41.00@2800	25.80@2800	154.13@1680	49.6@1680	18.74@1680	EM SPL DFI	