

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)
2004	4JDXL03.0063	2.4, 3.0	Diesel	8000
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION	
Smoke Puff Limiter, Direct Diesel Injection, Turbocharger			Compressor, Harvester, Trencher, 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 23RD day of December 2003.



Allen Lyons, Chief
 Mobile Source Operations Division

Engine Model Summary Form

Manufacturer: **Deere Power Systems Group of Deere and**
 Engine category: **Nonroad CI**
 EPA Engine Family: **4JDXL03.0063**
 Mfr Family Name: **250TA**
 Jss Code: **New Submission**

Attachment 1 of 2
U-R-004-0163

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
5030TF270B	5030T	82.43@2800	45.90@2800	36.16@2800	207.97@1680	55.3@1680	26.24@1680	EM SPL
4024TF270A	4024T	61.02@2800	41.70@2800	28.46@2800	154.87@1680	50.1@1680	18.96@1680	EM SPL
4024TF270C	4024T	48.28@2800	34.50@2800	21.83@2800	130.54@1680	43.1@1680	16.32@1680	EM SPL
5030TF270A	5030T	75.10@2800	41.70@2800	32.85@2800	189.53@1680	50.7@1680	24.03@1680	EM SPL
4024TF270B	4024T	65.72@2800	45.90@2800	28.89@2800	167.41@1680	55.1@1680	20.95@1680	EM SPL

Engine Model Summary Form

Manufacturer: **Deere Power Systems Group of Deere and**
 Engine category: **Nonroad CI**
 EPA Engine Family: **4JDXL03.0063**
 Mfr Family Name: **250TA**
 s Code: **Running Change**

Attachment 2 of 2
U-R-004-0163

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
✓ 5030TF270C	5030T	80.47@1800	63.20@1800	32.04@1800				EM EGR
✓ 4024TLV02	4024T	52.30@2400	39.80@2400	21.61@2400	148.97@1440	48.2@1440	15.66@1440	EM EGR
✓ 4024TLV03	4024T	57.67@2400	43.50@2400	23.59@2400	161.51@1440	53.5@1440	17.42@1440	EM EGR
✓ 5030TT003	5030T	75.10@2800	41.70@2800	32.85@2800	189.53@1680	50.7@1680	24.03@1680	EM EGR
✓ 4024TT003	4024T	65.72@2800	45.90@2800	28.89@2800	167.41@1680	55.1@1680	20.95@1680	EM EGR