



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)
2005	5JDXL06.8082	4.5, 6.8	Diesel	8000
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION	
Direct Diesel Injection, Turbocharger, 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
75 ≤ kW < 130	Tier 2	STD	N/A	N/A	6.6	5.0	0.30	20	15	50
		FEL	-	-	5.9	-	-	-	-	-
		CERT	-	-	5.6	1.2	0.29	8	6	18

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 16TH day of July 2004.

Allen Lyons, Chief
Mobile Source Operations Division

Engine Model Summary Form

Manufacturer: **Deere Power Systems Group of Deere &**
 Engine category: **Nonroad CI**
 EPA Engine Family: **5JDXL06.8082**
 Mfr Family Name: **350TL**
 Form Code: **New Submission**

Attachment 1 of 2
12-004-0199

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
4045TF275B	4045T ^{2L}	109.97@2400	83.50@2400	44.98@2400	289.09@1400	94.5@1400	29.77@1400	EM EC SPL <i>DBT, TC</i>
4045TF275C	4045T	115.33@2500	85.10@2500	47.84@2500	290.57@1400	90.3@1400	28.44@1400	EM EC SPL
6068TF275F	6068T	164.95@1800	101.50@1800	61.51@1800				EM EC SPL
6068TF275H	6068T ¹²⁷	170.31@2500	84.10@2500	70.77@2500	429.95@1400	86.7@1400	40.79@1400	EM EC SPL
6068TDW58	6068T	128.74@2200	68.30@2200	50.62@2200	407.08@1400	86.6@1400	40.90@1400	EM EC SPL
6068TF275J	6068T	170.31@2500	84.10@2500	70.77@2500	429.95@1400	86.7@1400	40.79@1400	EM EC SPL
6068TT060	6068T	123.38@2100	66.60@2100	47.21@2100	401.18@1400	83.4@1400	39.36@1400	EM EC SPL

Engine Model Summary Form

Attachment 2 of 2
U-R-004-0199

Manufacturer: **Deere Power Systems Group of Deere &**
 Engine category: **Nonroad CI**
 EPA Engine Family: **5JDXL06.8082**
 Mfr Family Name: **350TL**
 s Code: **Running Change**

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
6068TF275E	6068T	164.95@2400	82.80@2400	67.02@2400	432.90@1400	87.6@1400	41.23@1400	EM EC SPL
6068TF275D	6068T	155.56@2500	76.20@2500	64.16@2500	408.56@1400	83.9@1400	39.47@1400	EM EC SPL

DDF, TC