



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-45-9;

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)
2002	2JDXL06.8014	4.5, 6.8	Diesel	8000
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION	
Direct Diesel Injection, Turbocharger, Smoke Puff Limiter			Loader, Tractor, Dozer, Pump, Compressor, Generator Set	

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 (NO_x), or non-methane hydrocarbon plus oxides of nitrogen (NMHC+NO_x), 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	NO _x	NMHC+NO _x	CO	PM	ACCEL	LUG	PEAK
37 ≤ KW < 130	Tier 1	STD	N/A	9.2	N/A	N/A	N/A	20	15	50
130 ≤ KW < 225	Tier 1	STD	1.3	9.2	N/A	11.4	0.54	20	15	50
		CERT	0.4	7.3	--	0.9	0.28	8	7	18

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 27th day of December 2001.


R. B. Summerfield, Chief
Mobile Source Operations Division

Engine Model S ary Form

Manufacturer: Deere Power Systems Group of Deere and
 Engine category: Nonroad CI
 EPA Engine Family: 2JDXL06.8014
 Mir Family Name: 350TA
 Process Code: New Submission

Attachment

U-R-4-119

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
6068TF150C	6068T	150.19@1800	86.00@1800	50.71@1800				EM TC SPL
6068TF250A	6068T	194.45@2400	90.00@2400	70.55@2400	506.64@1400	104@1400	48.06@1400	EM TC
4045TL050	4045T	82.47@2300	63.00@2300	30.86@2300	252.95@1400	74.5@1400	22.05@1400	EM TC
6068TT851	6068T	185.06@2400	86.00@2400	66.14@2400	494.10@1400	100.0@1400	46.08@1400	EM TC
4045TE051	4045T	115.33@2500	77.00@2500	41.89@2500	291.30@1400	91.0@1400	28.00@1400	EM TC
4045TRT50	4045T	89.85@2350	66.30@2350	33.07@2350	249.26@1200	78.6@1200	19.84@1200	EM TC
4045TRT51	4045T	100.58@2350	73.60@2350	37.48@2350	275.81@1200	83.5@1200	21.83@1200	EM TC
4045TRT52	4045T	101.92@2350	73.60@2350	37.48@2350	291.30@1300	90.9@1300	25.57@1300	EM TC
4045TLA51	4045T	107.28@2300	75.70@2300	37.48@2300	323.75@1500	101.7@1500	33.07@1500	EM TC
6068TL050	6068T	118.01@2300	58.60@2300	41.89@2300	357.67@1400	70.0@1400	31.97@1400	EM TC
6068TL054	6068T	143.49@2100	75.00@2100	50.71@2100	470.50@1500	95.0@1500	45.63@1500	EM TC
6068TRT53	6068T	122.03@2200	61.30@2200	41.89@2200	384.22@1200	76.7@1200	29.98@1200	EM TC
6068TRT54	6068T	130.08@2200	66.00@2200	46.30@2200	401.18@1400	80.0@1400	36.60@1400	EM TC
6068TRT55	6068T	139.47@2200	70.40@2200	48.50@2200	435.84@1400	87.5@1400	39.90@1400	EM TC
4045TF150H	4045T	103.26@2000	83.20@2000	35.27@2000	293.51@1400	92.7@1400	28.22@1400	EM
4045TT050	4045T	115.33@2500	77.00@2500	41.89@2500	291.30@1400	91.0@1400	28.00@1400	EM TC
4045TL075	4045T	104.60@2300	76.00@2300	37.48@2300	319.32@1300	99.2@1300	29.10@1300	EM TC
6068TL071	6068T	116.67@2300	56.70@2300	41.89@2300	322.27@1500	64.4@1500	31.53@1500	EM TC
6068TE051	6068T	182.38@2300	83.50@2300	63.93@2300	485.99@1400	100.0@1400	46.30@1400	EM TC
4045TF250E	4045T	134.10@1800	120.00@1800	48.50@1800				EM
4045TAT50	4045T	81.80@2300	62.00@2300	30.86@2300	231.56@1400	96.6@1400	22.05@1400	EM TC
6068TF250J	6068T	167.63@2200	82.90@2200	57.32@2200	487.46@1500	95.3@1500	46.30@1500	EM TC
6068TRW72	6068T	147.51@2100	74.00@2100	52.91@2100	479.35@1400	95.4@1400	44.97@1400	EM
4045TT083	4045T	101.92@2200	74.00@2200	35.27@2200	298.67@1200	94.0@1200	24.91@1200	EM
4045TF150G/1	4045T	109.96@1800	94.20@1800	37.48@1800				EM
4045TF250D/2	4045T	122.03@1800	107.60@1800	41.89@1800				EM

Engine Model Summary Form

Manufacturer: Deere Power Systems Group of Deere and
 Engine category: Nonroad CI
 EPA Engine Family: 2JDXL06.8014
 Mfr Family Name: 350TA
 Process Code: Running Change

EPA U-L-004-0119
 attachment 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: (lbs/hr) @ peak torque	9. Emission Control Device Per SAE J1930
4045TL051	4045T	91.86 @ 2300	65.80 @ 2300	33.07 @ 2300	283.19 @ 1400	82.5 @ 1400	25.35 @ 1400	EM TC
6068TL051	6068T	128.74 @ 2100	67.50 @ 2100	45.19 @ 2100	427.73 @ 1400	84.0 @ 1400	38.58 @ 1400	EM TC
4045TL052	4045T	102.59 @ 2300	72.00 @ 2300	36.38 @ 2300	309.73 @ 1500	87.0 @ 1500	28.66 @ 1500	EM TC
4045TL053	4045T	106.61 @ 2300	79.50 @ 2300	37.48 @ 2300	318.58 @ 1500	96.6 @ 1500	30.86 @ 1500	EM TC

4045TKV51 Removed
 4045TE050 Removed

