



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)
2003	3JDXL06.8014	6.8, 4.5	Diesel	8000
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION	
Smoke Puff Limiter, Direct Diesel Injection, Turbocharger			Loaders, Dozer, Pump, Tractor, Compressor, Generator Set, 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 1	STD	N/A	9.2	N/A	N/A	N/A	20	15	50
		CERT	-	7.3	-	-	-	8	6	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 2<sup>nd</sup> day of January 2003.

  
for Allen Lyons, Chief  
Mobile Source Operations Division

Attachment 1 of 4

Manufacturer: Deere Power Systems Group of Deere and  
 Engine category: Nonroad CI  
 EPA Engine Family: 3JDXL06.8014  
 Mr Family Name: 350TA  
 Process Code: New Submission

U-R-004-0140R/C

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
6068TF250A	6068T	194.45 @ 2400	90.00 @ 2400	70.55 @ 2400	506.63 @ 1400	104 @ 1400	48.08 @ 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
4045TL051	4045T	91.86 @ 2300	65.80 @ 2300	33.07 @ 2300	283.19 @ 1400	82.6 @ 1400	25.35 @ 1400	EM TC
4045TR150	4045T	89.85 @ 2350	66.30 @ 2350	33.07 @ 2350	249.26 @ 1200	78.6 @ 1200	19.84 @ 1200	EM TC
4045TA150	4045T	81.80 @ 2300	62.00 @ 2300	30.86 @ 2300	261.56 @ 1400	96.6 @ 1400	22.05 @ 1400	EM TC
4045TT082	4045T	97.89 @ 2200	72.00 @ 2200	33.07 @ 2200	298.67 @ 1200	94.0 @ 1200	24.91 @ 1200	EM TC
4045TKV50	4045T	88.51 @ 2400	63.00 @ 2400	33.07 @ 2400	241.89 @ 1400	73.0 @ 1400	22.27 @ 1400	EM TC
4045TR153	4045T	91.19 @ 2200	69.50 @ 2200	33.07 @ 2200	275.81 @ 1200	89.2 @ 1200	23.15 @ 1200	EM TC
4045TP060	4045T	97.49 @ 2100	72.90 @ 2100	33.07 @ 2100	307.52 @ 1400	93.9 @ 1400	29.56 @ 1400	EM TC
4045TL070	4045T	84.48 @ 2300	62.10 @ 2300	30.86 @ 2300	256.64 @ 1500	76.7 @ 1500	24.91 @ 1500	EM TC
4045TL071	4045T	92.53 @ 2300	67.30 @ 2300	33.07 @ 2300	280.97 @ 1500	84.2 @ 1500	27.56 @ 1500	EM TC
4045TF150I	4045T	99.24 @ 2500	69.00 @ 2500	37.48 @ 2500	275.07 @ 1400	83.0 @ 1400	26.01 @ 1400	EM TC
4045TL054	4045T	89.86 @ 2300	66.00 @ 2300	33.07 @ 2300	274.34 @ 1300	85.0 @ 1300	24.03 @ 1300	EM TC
4045TL055	4045T	99.24 @ 2300	72.00 @ 2300	35.27 @ 2300	303.10 @ 1400	93.0 @ 1400	28.44 @ 1400	EM TC
4045TLV51	4045T	88.51 @ 2400	63.00 @ 2400	33.07 @ 2400	241.89 @ 1400	73.0 @ 1400	22.27 @ 1400	EM TC
4045TF161	4045T	97.89 @ 2200	72.00 @ 2200	33.07 @ 2200	298.67 @ 1200	94.0 @ 1200	24.91 @ 1200	EM TC
4045TT066	4045T	97.89 @ 2200	72.00 @ 2200	33.07 @ 2200	298.67 @ 1200	94.0 @ 1200	24.91 @ 1200	EM TC
4045TT063	4045T	99.24 @ 2100	77.00 @ 2100	35.27 @ 2100	306.78 @ 1200	98 @ 1200	25.79 @ 1200	EM TC
4045TL063	4045T	84.48 @ 2300	63.00 @ 2300	30.86 @ 2300	255.16 @ 1100	78.0 @ 1100	18.74 @ 1100	EM TC
4045TF153	4045T	96.55 @ 2200	71.00 @ 2200	33.07 @ 2200	280.24 @ 1400	84.0 @ 1400	26.01 @ 1400	EM TC
4045TF150E	4045T	88.51 @ 2200	66.00 @ 2200	30.86 @ 2200	272.12 @ 1300	84.0 @ 1300	24.03 @ 1300	EM TC
4045TF150D	4045T	97.89 @ 2200	72.00 @ 2200	33.07 @ 2200	298.67 @ 1200	94.0 @ 1200	24.91 @ 1200	EM TC

\* TEST ENGINE ONLY, NOT BEING CERTIFIED.

Attachment 2064

# Engine Mode Summary Form

U-R-004-0140 KIC

Manufacturer: Deere Power Systems Group of Deere and  
 Engine category: Nonroad CI  
 EPA Engine Family: 3JDXL06.8014  
 Mfr Family Name: 350TA  
 Process Code: Running Change

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
* 4045TF150L	4045T	99.24 @ 1800	88.00 @ 1800	35.05 @ 1800	289.82 @ 1800	88 @ 1800	35.05 @ 1800	EM TC
* 4045TR151A	4045T	99.24 @ 2350	72.00 @ 2350	36.60 @ 2350	275.81 @ 1400	81.5 @ 1400	24.91 @ 1400	EM TC
4045TL050	4045T	83.14 @ 2300						
4045TL051	4045T	92.53 @ 2300						
<i>added</i>								

Engine Model Summary Form

EDAU-R-004-0140 MK

Attachment 3014

Manufacturer: Deere Power Systems Group of Deere and  
 Engine category: Nonroad CI  
 EPA Engine Family: 3JDXL06.8014  
 Mir Family Name: 350TA  
 Process Code: Running Change

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
4045TF270E	4045T	99.24 @ 1800	90.30 @ 1800	36.55 @ 1800	272.12 @ 1400	85.8 @ 1400	27.05 @ 1400	EM TC
4045TF270B	4045T	99.24 @ 2500	69.60 @ 2500	39.15 @ 2500	284.66 @ 1400	89.7 @ 1400	28.24 @ 1400	EM
4045TF270C	4045T	99.24 @ 2200	76.80 @ 2200	38.01 @ 2200	245.58 @ 1000	75.6 @ 1000	17.02 @ 1000	EM
4045TF270D	4045T	84.48 @ 2500	59.20 @ 2500	33.27 @ 2500				

\* added

4 of 4 Engine Model Summary Form

M-R-004-0140

Manufacturer: Deere Power Systems Group of Deere and  
Engine category: Nonroad CI  
EPA Engine Family: 3JDXL06.8014  
Mfr Family Name: 350TA  
Process Code: Running Change

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
4045JF270	4045J	9924 @ 2400	7580 @ 2400	3947 @ 2400	28762 @ 1400	918 @ 1400	2778 @ 1400	EMIEGR