



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	3JDXL06.8048	6.8	Diesel	8000
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION	
Electronic Control Module, Direct Diesel Injection, Turbocharger, Charge Air Cooler			Pump, Compressor, 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):

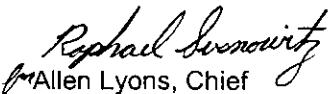
RATED POWER CLASS	EMISSION STANDARD CATEGORY		EXHAUST (g/kw-hr)					OPACITY (%)		
			HC	NOx	NMHC+NOx	CO	PM	ACCEL	LUG	PEAK
75 ≤ kW < 130	Tier 2	STD	N/A	N/A	6.6	5.0	0.30	20	15	50
		CERT	-	-	6.0	1.3	0.16	8	2	20

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 2nd day of January 2003.


for Allen Lyons, Chief
Mobile Source Operations Division

Engine Model Summary Form

Attachment 1 of 3

U-R-004-0136

Manufacturer: Deere Power Systems Group of Deere and
 Engine category: Nonroad CI
 EPA Engine Family: 3JDXL06.8048
 Mfr Family Name: 350HG
 Process Code: New Submission

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
6068HF475A	6068H	172.99 @ 2100	83.70 @ 2100	57.32 @ 2100	629.61 @ 1400	120.35 @ 1400	56.81 @ 1400	TC CAC EM
4045HL472	4045H	103.26 @ 2300	73.40 @ 2300	37.48 @ 2300	318.58 @ 1500	97.2 @ 1500	32.78 @ 1500	TC CAC EM
4045HL473	4045H	112.65 @ 2300	79.90 @ 2300	39.68 @ 2300	346.61 @ 1500	104.9 @ 1500	35.38 @ 1500	TC CAC EM
4045HL474	4045H	123.37 @ 2300	87.10 @ 2300	44.09 @ 2300	346.61 @ 1500	105 @ 1500	35.41 @ 1500	TC CAC EM
6068HL470	6068H	144.66 @ 2300	56.40 @ 2300	41.89 @ 2300	351.77 @ 1500	71.1 @ 1500	36.02 @ 1500	TC CAC EM
6068HL471	6068H	129.41 @ 2300	62.60 @ 2300	48.50 @ 2300	397.49 @ 1500	79.3 @ 1500	40.15 @ 1500	TC CAC EM
6068HL472	6068H	159.47 @ 2100	69.60 @ 2100	48.50 @ 2100	469.03 @ 1400	91.8 @ 1400	43.41 @ 1400	TC CAC EM
6068HL473	6068H	154.89 @ 2100	76.70 @ 2100	52.91 @ 2100	520.65 @ 1400	100.9 @ 1400	47.66 @ 1400	TC CAC EM
6068HL474	6068H	165.62 @ 2100	81.80 @ 2100	57.32 @ 2100	520.65 @ 1400	101.7 @ 1400	48.08 @ 1400	TC CAC EM

Attachment 70(3) Engine Model Summary Form

U-K-004-0136 K/C

Manufacturer: Deere Power Systems Group of Deere and
 Engine category: Nonroad CI
 EPA Engine Family: 3JDXL06.8048
 Mfr Family Name: 350HG
 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
4045HL475A	4045H	112.65 @ 2300	79.90 @ 2300	41.34 @ 2300	346.61 @ 1500	104.9 @ 1500	35.38 @ 1500	TC CAC EM

added

Engine Model Summary Form

attachment 3 of 3

U.R. 004-0136 K/C

Manufacturer: Deere Power Systems Group of Deere and
 Engine category: Nonroad CI
 EPA Engine Family: 3JDXL06.8048
 Mfr Family Name: 350HG
 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
6068HRW61A	6068H	119.36@2300	57.80@2300	44.85@2300	365.79@1500	72.3@1500	36.58@1500	EM SPL 0
6068HRW61B	6068H	129.41@2300	61.80@2300	47.95@2300	397.50@1500	78.4@1500	39.62@1500	EM SPL 0
6068HRW62A	6068H	139.17@2100	66.60@2100	48.62@2100	469.03@1400	91.2@1400	43.04@1400	EM SPL 0
6068HRW62B	6068H	154.89@2100	75.80@2100	53.73@2100	520.65@1400	99.6@1400	47.01@1400	EM SPL 0
4045HL176	4045H	103.26@2300	74.50@2300	38.52@2300	318.59@1500	94.4@1500	31.82@1500	EM SPL 0