



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	2JDXL06.8013	4.5, 6.8	Diesel	8000
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION	
Electronic Control Module, Direct Diesel Injection, Turbocharger, Charge Air Cooler, Smoke Puff Limiter			Loader	

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<sub>x</sub>), or non-methane hydrocarbon plus oxides of nitrogen (NMHC+NO<sub>x</sub>), 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):

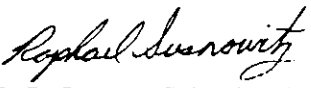
RATED POWER CLASS	EMISSION STANDARD CATEGORY		EXHAUST (g/kw-hr)					OPACITY (%)		
			HC	NO <sub>x</sub>	NMHC+NO <sub>x</sub>	CO	PM	ACCEL	LUG	PEAK
75 ≤ KW < 130	Tier 1	STD	N/A	9.2	N/A	N/A	N/A	20	15	50
130 ≤ KW < 225	Tier 1	STD	1.3	9.2	N/A	11.4	0.54	20	15	50
		CERT	0.3	7.3	--	0.8	0.23	8	6	14

**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 27<sup>th</sup> day of December 2001.

  
for R. B. Summerfield, Chief  
Mobile Source Operations Division

# Engine Model Summary Form

Manufacturer: Deere Power Systems Group of Deere and  
 Engine category: Nonroad CI  
 EPA Engine Family: 2JDXL06.8013  
 Mr Family Name: 350HB  
 Process Code: New Submission

U-R-4-116

Attachment

1. Engine Code	2. Engine Model	3. BHP @ RPM (SAE Gross)	4. Fuel Rate: mm/stroke @ peak HP (for diesels 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
6068HF250A	6068H	234.68 @ 2400	110.00 @ 2400	88.18 @ 2400	680.68 @ 1400	130 @ 1400	59.52 @ 1400	EM TC CAC
6068HT050	6068H	187.74 @ 2200	90.00 @ 2200	66.14 @ 2200	583.33 @ 1400	114 @ 1400	52.91 @ 1400	EM TC CAC
<del>6068HT052</del>	<del>6068H</del>	<del>189.88 @ 2150</del>	<del>93.00 @ 2150</del>	<del>66.14 @ 2150</del>	<del>559.83 @ 1400</del>	<del>109 @ 1400</del>	<del>50.71 @ 1400</del>	EM TC CAC
6068HDW53	6068H	150.19 @ 2000	81.00 @ 2000	52.91 @ 2000	525.07 @ 1100	101 @ 1100	37.48 @ 1100	EM TC CAC
6068HDW55	6068H	170.31 @ 2000	95.00 @ 2000	63.93 @ 2000	567.85 @ 1000	117 @ 1000	39.68 @ 1000	EM TC CAC
6068HF250C	6068H	198.47 @ 1800	113.00 @ 1800	66.14 @ 1800				EM TC CAC
6068HF250B	6068H	225.29 @ 2400	101.00 @ 2400	79.37 @ 2400	620.94 @ 1400	119 @ 1400	55.11 @ 1400	EM TC CAC
6068HDW50	6068H	170.31 @ 2200	83.00 @ 2200	61.73 @ 2200	589.97 @ 1400	113 @ 1400	48.50 @ 1400	EM TC CAC
<del>6068HT051</del>	<del>6068H</del>	<del>179.70 @ 2100</del>	<del>89.00 @ 2100</del>	<del>61.73 @ 2100</del>	<del>539.09 @ 1400</del>	<del>105 @ 1400</del>	<del>48.50 @ 1400</del>	EM TC CAC
6068HT056	6068H	187.74 @ 2200	90.00 @ 2200	66.14 @ 2200	583.33 @ 1400	114 @ 1400	52.91 @ 1400	EM TC CAC
6068HT057	6068H	187.74 @ 2200	90.00 @ 2200	66.14 @ 2200	583.33 @ 1400	114 @ 1400	52.91 @ 1400	EM TC CAC
6068HF250D	6068H	225.29 @ 2400	100.00 @ 2400	79.37 @ 2400	671.83 @ 1400	127.7 @ 1400	60.41 @ 1400	EM TC CAC
6068HDW58	6068H	174.33 @ 2190	88.60 @ 2190	63.93 @ 2190	589.97 @ 1300	108.3 @ 1300	47.40 @ 1300	EM TC CAC
6068HRT52	6068H	190.43 @ 2200	93.00 @ 2200	66.14 @ 2200	605.46 @ 1500	119 @ 1500	57.98 @ 1500	EM TC

EM, TC, CAC

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