

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)
2011	BJDXL06.8204	6.8	Diesel	8000
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION	
Charge Air Cooler, Diesel Oxidation Catalyst, Direct Diesel Injection, Electronic Control Module, Exhaust Gas Recirculation, Periodic Trap Oxidizer, Smoke Puff Limiter, Turbocharger			Tractor, Loaders, Dozer, 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
130 ≤ kW < 560	Tier4/ Alternate NOx	STD	0.19	2.0	N/A	3.5	0.02	N/A	N/A	N/A
		CERT	0.00	1.7	--	0.0	0.01	--	--	--

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 31st day of August 2010.


 Annette Hebert, Chief
 Mobile Source Operations Division

R/C

5-24-2012

Engine Model Summary Form

Manufacturer: John Deere Power Systems
Engine category: Nonroad CI
EPA Engine Family: BJDXL06.8204
Mfr Family Name: 350HBA
Process Code: Running Change

EO#: U-R-004-0408
Attachment: Page 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
6068HTJ90	6068H	217.25@2000	113.40@2000	91.61@2000	696.91@1500	131.8@1500	76.70@1500	EM EGR EC
6068HPRNT4	6068H	278.94@2400	123.50@2400	99.41@2400	814.90@1600	159.3@1600	85.50@1600	EGR EM EC
6068HTJ90	6068H	217.25@2000	113.40@2000	91.61@2000	696.91@1500	131.8@1500	76.70@1500	EM EGR EC
6068RW401	6068H	254.80@2100	113.40@2100	91.61@2100	755.90@1500	131.8@1500	76.70@1500	EGR EM EC
6068RW402	6068H	254.80@2100	113.40@2100	91.61@2100	755.90@1500	131.8@1500	76.70@1500	EGR EM EC
6068HT073	6068H	254.80@2100	123.80@2100	87.75@2100	755.90@1500	147.3@1500	74.52@1500	EGR EM EC
6068HL496	6068H	254.80@2100	113.40@2100	91.61@2100	755.90@1500	131.8@1500	76.70@1500	EGR EM EC
6068HT074	6068H	223.96@2100	114.10@2100	80.69@2100	677.00@1600	133.7@1600	72.09@1600	EGR EM EC
6068HL497	6068H	254.80@2100	123.80@2100	87.75@2100	755.90@1500	147.3@1500	74.52@1500	EGR EM EC
6068HL495	6068H	223.96@2100	114.10@2100	80.69@2100	677.00@1600	133.7@1600	72.07@1600	EGR EM EC
6068HDW78	6068H	223.96@2200	108.50@2200	80.45@2200	677.00@1600	133.7@1600	72.07@1600	EGR EM EC
6068HFC940	6068H	203.84@2000	97.70@2000	65.92@2000	656.35@1500	133.9@1500	67.69@1500	EGR EM EC
6068HFG94A	6068H	241.39@1800	137.50@1800	83.56@1800				EGR EM EC
6068HFG94B	6068H	201.16@1800	115.00@1800	69.67@1800				EGR EM EC
6068HFC94N	6068H	203.84@2200	90.80@2200	67.47@2200	596.61@1500	118.2@1500	59.75@1500	EGR EM EC
6068HFC94L	6068H	185.07@2400	85.30@2400	69.01@2400	546.47@1500	105.8@1500	53.58@1500	EGR EM EC
6068HFC94M	6068H	203.84@2400	85.30@2400	69.01@2400	546.47@1550	105.8@1550	53.58@1550	EGR EM EC
6068HFC94K	6068H	219.93@2000	104.90@2000	70.77@2000	710.18@1500	144.3@1500	72.98@1500	EGR EM EC
6068HFC94J	6068H	219.93@2200	98.60@2200	73.20@2200	643.81@1500	128.3@1500	65.04@1500	EGR EM EC
6068HFC94H	6068H	199.82@2400	91.20@2400	73.86@2400	589.98@1500	114.8@1500	59.97@1500	EGR EM EC
6068HFC94I	6068H	219.93@2400	90.80@2400	73.42@2400	589.98@1500	114.0@1500	57.54@1500	EGR EM EC
6068HFC94G	6068H	245.41@2000	117.20@2000	78.93@2000	755.90@1500	141.5@1500	66.80@1500	EGR EM EC
6068HFC94F	6068H	248.09@2200	109.10@2200	80.91@2200	725.67@1500	142.6@1500	72.09@1500	EGR EM EC
6068HFC94D	6068H	225.30@2400	102.00@2400	82.46@2400	665.20@1500	128.7@1500	65.04@1500	EGR EM EC
6068HFC94E	6068H	248.09@2400	101.60@2400	82.24@2400	665.20@1500	128.4@1500	65.04@1500	EGR EM EC
6068HFC94C	6068H	250.78@2000	131.00@2000	88.41@2000	755.90@1500	152.9@1500	77.39@1500	EGR EM EC
6068HFC94B	6068H	254.80@2200	119.60@2200	88.63@2200	755.90@1500	147.6@1500	74.74@1500	EGR EM EC
6068HFC94A	6068H	254.80@2400	144.90@2400	73.20@2400	755.90@1500	111.4@1500	90.17@1500	EGR EM EC
6068HDW85	6068H	234.68@1900	123.40@1900	79.15@1900	747.06@1425	147.0@1425	70.77@1425	EM EGR EC
6068HFG95A	6068H	289.67@1800	166.60@1800	101.06@1800				EGR EM EC
6068HT080	6068H	254.80@2100	123.80@2100	87.75@2100	755.90@1500	147.3@1500	74.52@1500	EGR EM EC
6068HT088	6068H	254.80@2100	123.80@2100	87.75@2100	755.90@1500	147.3@1500	74.52@1500	EGR EM EC
6068HT084	6068H	254.80@1900	138.10@1900	88.41@1900	755.90@1500	154.2@1500	78.05@1500	EGR EM EC
6068HFC95B	6068H	225.30@2200	109.80@2200	81.42@2200	725.67@1500	144.6@1500	73.11@1500	EGR EM EC
6068HFC95A	6068H	250.78@2200	121.70@2200	90.22@2200	755.90@1500	150.0@1500	75.86@1500	EGR EM EC
6068RW403	6068H	223.96@2100	114.10@2100	80.69@2100	677.00@1600	133.7@1600	72.07@1600	EGR EM EC
6068RW404	6068H	254.80@2100	113.40@2100	91.61@2100	755.90@1500	131.8@1500	76.70@1500	EGR EM EC

P10X, EGR, DOC, DDI
CAC, IC, SPL