Compression-Ignition Engines

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-14-012;

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)		
2017	HJDXL06.8204	6.8	Diesel	8000		
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION			
Charge Ai Injectio Recircu	r Cooler, Oxidation Catal n, Electronic Control Mod Jlation, Periodic Trap Oxid Limiter, Turbochar	yst, Electronic Direct lule, Exhaust Gas dizer, Smoke Puff ger	Loaders, Tractor, 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 non-methane hydrocarbon (NMHC), 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 (%)		
			NMHC	NOx	NMHC+NOx	co	РМ	ACCEL	LUG	PEAK
130 ≤ kW ≤ 560	Tier 4 Final / ALT 5% NOx	STD	0.19	0.40	N/A	3.5	0.02	N/A	N/A	N/A
		FEL		2.00						
		CERT	0.004	1.68		0.03	0.01			

BE IT FURTHER RESOLVED: That the family emission limit(s) (FEL) is an emission level declared by the manufacturer for use in any averaging, banking and trading program and in lieu of an emission standard for certification. It serves as the applicable emission standard for determining compliance of any engine within this engine family under 13 CCR Sections 2423 and 2427.

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 day of January 2017.

Annette Hebert, Chief

Emissions Compliance, Automotive Regulations and Science Division

Att achment: Page 1 of 1

F0#: U-R-004-0538 12/16/2016

## Engine Model Summary Form

Manufacturer: Engine category: John Deere Power Systems

EPA Engine Family: HJDXL06.8204 Mfr Family Name: 350HBA

Process Code:	New Submission								
			4, Fuel Rate:	<ol><li>Fuel Rate;</li></ol>	6. Torque (Nm)	7. Fuel Rate:		9. Emission Control	
		3. KW@RPM	mm/stroke@peak kW	(kg/hr)@peak kW	@RPM	mm/stroke@peak	8. Fuel Rate:	Device Per	
1. Engine code	2. Engine Model	(SAE Gross)	(for diesel only)	(for diesels only)	(SEA Gross)	torque	(kW/hr)@peak torque	SAE J1930	
*6068HPRNT4	6068 6068	169@1900 208@2400	123 4@1900 123,5@2400	45,1@2400	- 1013@1425 1105@1600	147.0@1425 159.3@1600	32.1@1425 38.8@1600	EGR EM EC SPLIDE TO CAC OC PTOX  EGR EM EC SPLIDE TO CAC OC PTOX	
6088HT084B		190@1900	128,002400	40,102,400	1025@1500	154.2@1500	35.4@1500	EM EGREC SPLOPITO CAC OC PTOX	
*6068HTJ90	6068	160@2000	113.4@2000	41.5@2000	945@1500	131.8@1500	34.79@1500	EGR EM EC SPL DFI TC CAC OC PTOX	
6068HTJ91A	6068	160@2000	115.8@2000	34/2@2000#A	1 945@1500				
*6068HTJ91B	6068	160@2000	111.9@2000	34,2@2000	945@1500	135,5@1500	31.06@1500	EM EGR EC SPL DFI TC CAC OC PTOX	
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