ſ	California Environmental Protection Agency		EXECUTIVE ORDER U-R-004-0469
l	Ale Deserves Desert	JOHN DEEKE POWER STSTEWIS	New Off-Road
l	C AIr Nesources Board		Compression-Ignition Engines

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	ENGINE FAMILY	DISPLACEMENT		USEFUL LIFE		
YEAR		(liters) FUEL TYPE		(hours)		
2013	DJDXL06.8105	4.5, 6.5	Diesel	8000		
SPECIAL	FEATURES & EMISSION	CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION			
Direct Dies	sel Injection, Turbocharge	er, Charge Air Cooler,	Generator Set			
Elect	ronic Control Module, Sm	oke Puff Limiter				

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	RATED EMISSION POWER STANDARD CLASS CATEGORY		EXHAUST (g/kw-hr)					OPACITY (%)		
CLASS			NMHC	NOx	NMHC+NOx	со	PM	ACCEL	LUG	PEAK
75 <u><</u> kW < 130	Interim Tier 4 / ALT 20% NOx and PM	STD	0.19	3.4	N/A	5.0	0.02	20	15	50
		FEL		3.8			0.30			
		CERT	0.15	3.3		1.5	0.25	13	3	25

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 December 2012.

Annette Hebert, Chief Mobile Source Operations Division

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Engine Model Summary Form John Deere Power Systems

11-16-2012

Manufacturer: Engine category: EPA Engine Family: DJDXL06.8105 Mfr Family Name: Process Code:

Nonroad Cl

New Submission

350HAC

1 Engine code	2 Engine Model	3. kW@RPM	4. Fuel Rate: mm/stroke@peak kW (for diesel only)	5. Fuel Rate: (kg/hr)@peak kW	6. Torque (Nm) @RPM (SEA Gmss)	7. Fuel Rate: mm/stroke@peak	8. Fuel Rate:	9. Emission Control Device Per	
6068HN054	6068H	129.0@2400	89.4@2400	32.83@2400	687@1500	104.5@1500	23.98@1500	SPLEMEC DDT	Te cAc
4045HF285A	4045H	109.0@2400	111.5@2400	27.3@2400	560.9@1600	131.8@1600	21.51@1600	SPLEMEC ANT	TC CAC
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