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

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	EMISSION		EXHAUST (g/kw-hr)					OPACITY (%)		
CLASS	CATEGORY		NMHC	NOx	NMHC+NOx	со	PM	ACCEL	LUG	PEAK
75 <u><</u> kW < 130	Interim Tier 4 / ALT 20% STD NOx and PM		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

Attachment: Page 10f1 6/25/2013 EO#: U-R-004-0469

Engine Model Summary Form

Manufacturer:
Engine category:
EPA Engine Family:
Mfr Family Name:
Process Code:

Nonroad Cl DJDXL06.8105 350HAC Running Change

1	Engine code 6068HN054	2. Engine Model 6068H 4045H	3, kW@RPM (SAE Gross) 129.0@2400	4. Fuel Rate: mm/stroke@peak kW (for diesel only) 89.4@2400 111 5@2400	5. Fuel Rate: (kg/hr)@peak kW (for diesels only) 32.83@2400 27.3@2400	6. Torque (Nm) @RPM (SEA Gross) 687@1500	7. Fuel Rate: mm/stroke@peak torque 104.5@1500	8. Fuel Rate: (kW/hr)@peak torque 23.98@1500	9. Emission Control Device Per SAE J1930 SPL EM EC		CAC
	6068HT072	6068H	129 @ 2000	93.8 @ 2000	28.7 @ 2000	738 @ 2000	120 7 @ 2000	27 7 @ 2000	SPLEMEC DD1	jic,	CAC
					2011 @ 2000		120.7 @ 2000	21.1 9 2000	DDI	TC	CAC
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