



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 engine and emission control system 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)
2009	9YDXL1.50K3N	1.496	Diesel	3000
SPECIAL	FEATURES & EMISSION		TYPICAL EQUIPMENT	APPLICATION
	Direct Diesel Injec	ction	Crane, Loader, Tractor, Dozer, Pur	np, Compressor, Excavator

The engine models and codes are attached.

The following are the exhaust certification standards (STD) and certification levels (CERT) for hydrocarbons (HC), oxides of nitrogen (NOx), or non-methane hydrocarbons 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			E	XHAUST (g/kW-l	ור)		C	PACITY (%)
POWER	CATEGORY		нс	NOx	NMHC+NOx	co	PM	ACCEL	LUG	PEAK
8 ≤ kW < 19	Tier 4	STD	N/A	N/A	7.5	6.6	0.40	20	15	50
		CERT			6.4	5.3	0.30	7	3	18

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 2008.

Annette Hebert, Chief

Mobile Source Operations Division

Engine Model Summary Template

									ATTACHMENT EO#V-K-028-0425
Fogure Family	: Empire Code	3.6HP@RPM.	3.8HP@RPM (SAE Gross)	6 Fuel Rate mmtstroke (@ peak HP (fbs (for diesel only)) (ft	5 Fuel Rate thrt @ peak His or desets only)	5 Torque (© RPM (SEA Gross)	7 Fuel Rate mm/stroke@peak lorque	8 Fuel Bate (lbs//n/)@peak.torqu	8 Fuel Rate 9 Emission Control (Iba/hr)@peak.torqueDevice Per SAE J1930
Mann alkara	4.27	XJMSP	24 9/2200		6.0	73 1/1100	32.4	9	EM DI
MONTH INTO		JTNV84-5	24.9/2200		6.9	73 1/1100	32.4	5 3	EM DI
ALM PURCH	< Z	ITNV84 W	22 9/2000	27.0	89	71 4/1200	30.3	0.9	EMOI