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		DISPLACEMENT	FUEL TYPE	USEFUL LIFE		
YEAR ENGINE FAMILY		(liters)		(hours)		
2009	9SZXL09.8HXB	9.8	Diesel	8000		
the second s	FEATURES & EMISSION		TYPICAL EQUIPMENT APPLICATION			
Direct Dies	el Injection, Turbocharg	er, Charge Air Cooler,	Generator Set			
Electronic	Control Module, Exhau	st Gas Recirculation				

The engine models and codes are attached.

The following are the exhaust certification standards (STD) 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 (%)			
POWER CLASS	STANDARD		HC	NOx	NMHC+NOx	CO	PM	ACCEL	LUG	PEAK
$225 \le kW < 450$	Tier 3	STD	N/A	N/A	4.0	3.5	0.20	N/A	N/A	N/A
		CERT			3.3	0.6	0.09			-

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 September 2008.

Annette Hebert, Chief Mobile Source Operations Division

Engine Model Summary Template

U-7-006-0311

ATTACHNENT

3 Fuel Rate: 9.Emission Control r)@peak torqueDevice Per SAE J150	ECM. TO. GAC. DF], E.CR
1part	•
7 Fuel Rate: mn/stroke@peak torque	
IP 8.Torque @ RPM 1) (SEA Gross)	
5,Fuel Rate: uhr) @ peak h or diesels only	130.1@1800
4 Fuel Rater 1. BHPQRPM muhatoke @ peak HP (lbs el [5.4E Gross] (lbs diesel only) (N	1 BH-6U21X 348.7@1800 216.7@1800
1.BHP@RPM [SAE Gross]	348.7@1800
2.Engine Model	BH-6U21X
1.Engine Code	BUZ1XDHBA-01
Engine Family 1. Engine Code 2. Engine Model	98.2%L09.8HX8 8UZ1XDH8A.01