	Californ	a Environs	nentai Pr	viection A	gency	
3	AIR	RESC	DUR	CES	BO/	\RD

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)
2008	8MVXL03.3AAE	3.3	Diesel	8000
SPECIAL	FEATURES & EMISSION		TYPICAL EQUIPMENT	APPLICATION
C	Direct Diesel Injection, Tu	urbocharger	Crane, Loader, Tractor, Dozer, Purr and Industrial Eq	np, Compressor, Generato uipment

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			E	EXHAUST (g/kw-ł	ור)		O	PACITY (%	6)
POWER CLASS	STANDARD CATEGORY		нс	NOx	NMHC+NOx	со	PM	ACCEL	LUG	PEAK
56 ≤ KW < 75	Tier 3	STD	N/A	N/A	4.7	5.0	0.40	20	15	50
		CERT			4.2	1.5	0.34	9	3	15

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 August 2007.

Rephart Suproint

Annette Hebert, Chief Mobile Source Operations Division

ATTACHMENT 1 OF 1

Engine Model Summary Template

U-K-035-0238

Engine Family	3.BHP@RPM Engine Family 1.Engine Code 2.Engine Model (SAE Gross)	2.Engine Model		4.Fuel Rate: mm/stroke @ peak HP (for diesel only)	4.Fuel Rate: 5.Fuel Rate: stroke @ peak HP (lbs/ht) @ peak HP 6.Torque @ RPM (for diesel only) (SEA Gross)	6.Torque @ RPM (SEA Gross)	7.Fuel Rate: mm/stroke@peak torque		8,Fuel Rate: 9.Emission Control (lbs/hr)@peak torqueDevice Per SAE J1930
3MVXL03.3AAE	3MVXL03.3AAE S4S-DT77SSL S4S-DTDP	S4S-DTDP	83HP@2500	62	33	195ftlb@1800	65	25	DITC
MVXL03.3AAE	BINVXL03.3AAE S4S-DT74CWL	S4S-DTDP	83HP@2500	62	33	195ftlb@1800	65	25	DITC
MWXL03.3AAE	RMVXL03.3AAE S4S-DT84PA	S4S-DTDP	83HP@2500	62	33	195ftlb@1800	65	25	DITC
BIMVAL03.3AAE	S4S-DT88PA	S4S-DTDP	83HP@2500	62	33	195ftlb@1800	65	25	DITC
SMVXL03.3AAE	S4S-DT83PA	S4S-DTDP	83HP@2500	62	33	195ftlb@1800	65	25	DITC
MVXL03.3AAE	BMVXL03.3AAE S4S-DT87PA S4S-DTDP	S4S-DTDP	83HP@2500	62	33	195ftb@1800	65	25	DITC