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)		
2006	6H3XM1.50D40	1.131 & 1.508	Diesel	5000		
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION			
Indirect Diesel Injection			Marine Engine			

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 STANDARD CATEGORY		EXHAUST (g/kw-hr)				OPACITY (%)			
POWER CLASS			нс	NOx	NMHC+NOx	co	РМ	ACCEL	LUG	PEAK
19 <u><</u> KW<37	Tier 2	STD	N/A	N/A	7.5	5.5	0.60	N/A	N/A	N/A
		CERT			3.7	1.1	0.23			

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 2005.

Raphael bucnowith

Allen Lyons, Chief Mobile Source Operations Division

ATTACHMENT 1 OF 1

Engine Model Summary Form

U-R-026-0161	8.Fuel Rate: 9.Emission Control (Ibs/hr)@peak torque Device Per SAE J1930	9.2+/-0.6 JFI 9.2+/-0.8 IFI
	100	26.1+/-1.7 261.+/-2.4
	6.Torque @ RPM (SEA Gross)	53.1@2200 73,8@1800
	5.Fuel Rate: HP (lbs/hr)@peak HP (for diesels only)	12.8+/±0.9 17.5+/±1.5
co., Ltd.	4. Fuel Rate: mm/stroke @ peak HP (for diesel only)	24.3+/-1.7 24.9+/-2.2
aura Machinery (3.BHP@RPM (SAE Gross)	28.0@3200 39.0@3200
	2.Engine Model	D1-30 HH28/3200M 28.0@3200 24.3+/-1.7 D2-40 HN39/3200M 39.0@3200 24.9+/-2.2
Aanufacturer: Ishik ingine category: Non PA Engine Famly. 6H3 Mfr Family Name: N/A	Process Code: 1.Engine Code	D1-30 D2-40