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			FUEL TYPE	USEFUL LIFE (hours)	
2006	6H3XL1.49N3V	1.496	Diesel	3000	
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION		
Indirect Diesel Injection			Generator		

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 POWER CLASS	EMISSION	EXHAUST (g/kw-hr)			OPACITY (%)					
	STANDARD CATEGORY		HC	NOx	NMHC+NOx	со	РМ	ACCEL	LUG	PEAK
8 <u>&lt;</u> KW<19	Tier 2	STD	N/A	N/A	7.5	6.6	0.80	20	15	50
		CERT	~		5.3	1.2	0.16	7	6	12

**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.

Kaphael Sussavit

Allen Lyons, Chief Mobile Source Operations Division

	W-R-026-0157	7.Fuel Rate: 9.Emission Control   mm/stroke@peak 8.Fuel Rate: 9.Emission Control   torque Device Per SAE J1930   torque (lbs/hr)@peak torque Device Per SAE J1930   32.8+/-1.6 8.1+/-0.6 1F1		
Engine Model Summary Form	o., Ltd.	4.Fuel Rate: 5.Fuel Rate: mm/stroke @ peak HP (lbs/hr) @ peak HP 6.Torque @ RPM (for diesel only) (for diesels only) (SEA Gross) 30.2+/-1.8 9.0+/-0.5 68.6@1500		
ATTAGAMENT 1 OF 1	anufacturer: Ishikawajima-Shibaura Machinery Co., Ltd. ngine category: Nonroad Cl PA Engine Famiy: 6H3XL1.49N3V ftr Family Name: N/A Process Code: New Submission	ie 2.Engine Model (SAE Gross) HL 22/1800 21.7@1800		