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)						
2005	5MVXL06.4AAB	6.4	Diesel	8000						
SPECIAL	FEATURES & EMISSION	CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION							
	Direct Diesel Injection, Tu	ırbocharger	Excavator							

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				XHAUST (g/kw-ł	ır)		OF	PACITY (%	(a)
POWER CLASS	STANDARD CATEGORY		HC	NOx	NMHC+NOx	co	PM	ACCEL	LUG	PEAK
75 <u><</u> KW < 130	Tier 2	STD	N/A	N/A	6.6	5.0	0.30	20	15	50
		CERT			6.0	1.1	0.29	8	4	16

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 2004.

Allen Lydns, Chief

Mobile Source Operations Division

Engine Model Sumary Form

Mitsubishi Heavy Industries,Ltd Manufacturer:

Nonroad Cl Engine category:

EPA Engine Family: SMVXL06.4AAB

W-R-035-0165

Mfr Family Name: S6K-T

Process Code:

New Submission

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9.Emission Control Device Per SAE J1930																							
ission C Per SA	DI TC	DITC	DI TC										.								į į		!
9.Emi Device						.																	
										•												-	
uel Rati @peak t	58.2	31.1	31.1		.													 					
8.Fuel Rate: (lbs/hr) @peak torque			.											: .						į			
																	-						İ
7.Fuel Rate: mm/stroke@peak torque	91.7	79.3	79.3					٠.															. !
7.F mm/st						٠.										ļ.			-				
Ψ	400	200	200											-	-								
6.Torque @ RPM (SEA Gross)	409ftlb@1400	362ftlb@1200	362ftlb@1200																		4115-146-27		:
6.Torq (SE	409f	362f	362f																		·		e.
H €														-									
el Rate: @ peak ssels on	63.8	44.5	44.5												, ,								
5.Fuef Rate: (lbs/hr) @ peak HP (for diesels only)																.:							
자 (~) 다							1 %. 1 %.														* 		
4.Fuel Rate: mm/stroke @ peak HP (for diesel only)	89.3	68.2	68.2																				
4.Fue n/stroke (for die	~	•																					
	0		(
3.BHP@RPM (SAE Gross)	130.2hp@1800	110.5hp@1800	110.5hp@1800																				
3.BHF (SAE	130.2h	110.5h	110.5h		10.7																		
<u> </u>																							
2.Engine Model	S6K-T	S6K-T	S6K-T				1.5																
.Engin	98	Sel	S6																				
			2																				
e Cod	174SCK	T31TFD	T31TFD.																	· ·			
1.Enaine Code	S6K-Y2DT74SCK	S6K-Y2DT31TFD	S6K-Y2DT31TFD2									1											
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