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)						
2003	3H3XL2.00NCS	1.496 and 1.995	Diesel	5000						
SPECIAL	FEATURES & EMISSION	CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION							
	Indirect Diesel Inje	ection	Generato	r						

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			i	EXHAUST (g/kw-ł		OPACITY (%)					
	STANDARD CATEGORY		нс	NOx	NMHC+NOx	со	РМ	ACCEL	LUG	PEAK		
19 <u><</u> KW<37	Tier 1	STD	N/A	N/A	9.5	5.5	0.80	N/A	N/A	N/A		
		CERT			8.1	1.5	0.43					

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 January 2003.

674

Aller Lyons, Chief Mobile Source Operations Division

Engine Model Summary Form

ATTACHMENT 1 OF 1

Ishikawajima-Shibaura Machinery Co., Ltd. Manufacturer:

Engine category: Nonroad Cl EPA Engine Family. ,3H3XL2.00NCS

u-k-026-0074

Mfr Family Name: N/A

New Submission Process Code:

ĺ	4					- 10	 				· .	·····			· · ·			•••••		
rol 1930												-		-						-
8.Fuel Rate: 9.Emission Control (lbs/hr)@peak torque Device Per SAE J1930											-					.		1		
ssion Per S	프	Ē										 								1
, Emis vice F																				
e De G																				
e: torqu																				1
el Rat peak	NA	A/A																		
8.Fue hr)@	-																			
(lbs/																				
eak																				
7.Fuel Rate: mm/stroke@peak torque	N/A	N/A															1			
.Fuel /strok torc	Z	2		•																
2 Mm																				
~										-									•	
6.Torque @ RPM (SEA Gross)																				
ue @ A Gro	N/A	N/A								-										
.Torg							-													
																	ļ			
5.Fuel Rate: (Ibs/hr) @ peak HP (for diesels only)	6	۲.																		
l Rate) peal els o	16.5+/-0.9	12.4+/-1.1					-													
i.Fue hr) @ r dies	16.5	12.4					9		1144 13 m 14 m								117 177			
(tosi)																			;	
유					*															
ate: peak only)	- 4.	-2.7																		
uel R. (e @ jesei	.8+/	31.4+/-2.7																		
4.Fuel Rate: mm/stroke @ peak l (for diesel only)	27	3											1				1			
шr																				
N (s	Q	00								 										
3.BHP@RPM (SAE Gross)	34.7@3600	26.1@1800	0						1											
SAE BHP	4.76	6.10															1			
~~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	0		1																	
<u>e</u>																				
2.Engine Model	HI 35/3600C							a na anna an ann ann ann ann ann ann an				 						ĺ		
ine	5/36	JE/1800-C	2																	
Eng.	HI 3	26/	D'							· · .						and the second second				
	ŀ									· •	-									
ode							-			·										
e Cc	15		‡		•					. *										
1 Endine Code	103		14044							* .				ļ						
لد ج									· ·								-	,		

_ R