

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-45-9;

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)			
2002	2ICLL1.46C3C	1.464	Diesel	5000			
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION				
	Indirect Diesel Inje	ection	Tractor				

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		EXHAUST (g/kw-hr)					OPACITY (%)		
POWER CLASS	STANDARD		нс	NOx	NMHC+NOx	ÇO	PM	ACCEL	LUG	PEAK
19 <kw<37< td=""><td>Tier 1</td><td>STD</td><td>N/A</td><td>N/A</td><td>9.5</td><td>5.5</td><td>0.80</td><td>20</td><td>15</td><td>50</td></kw<37<>	Tier 1	STD	N/A	N/A	9.5	5.5	0.80	20	15	50
	1	CERT			5.2	2.0	0.27	6	8	8

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 2002.

R. B. Summerfield, Chief

Mobile Source Operations Division

ATT HIMENTIOF!

Engine Model Summary Form

4-038-0009

Manufacturer: ISEKI MATSUYAMA MFG. CO., LTD.

Engine category: Nonroad CI

EPA Engine Family: 21CLL1.46C3C

Mfr Family Name: NONE

Process Code: New Submission

9.Emission Control Device Per SAE J1930 F1 F1											
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9.Em evice					5.5						-30.1 (5).0
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8.Fuel Rate: (lbs/hr)@peak torque 8.7@70.4 8.1@69.1	18.50 18.51										
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7.Fuel Rate: mm/stroke@peak torque 34.6@70.4 32.3@69.1		1.7.4		3.0							
7.Fuel Rate: n/stroke@peak torque 34.6@70.4 32.3@69.1			77			55. d			操作。 存在 文 第		
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5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only) 12.0@28.4 12.0@28.4											
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ate: peak only) 28.4 28.4											
4.Fuel Ra stroke @ p for diesel o 28.5@2 28.5@2					100 T						
4.Fuel Rate: mm/stroke @ peak (for diesel only) 28.5@28.4 28.5@28.4		27.1. 27.1.						1967 (Maria 1867 (
4.Fuel Ral mm/stroke @ p (for diesel o 28.5@2 28.5@2											
3.BHP@RPM mr (SAE Gross) 28.4@2500 28.4@2500					5. I						
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