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)				
2007	7KLXL03.3JB3	3.3	Diesel	8000				
SPECIAL	FEATURES & EMISSION	CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION					
C	Direct Diesel Injection, T	urbocharger	Crane, Loader, Tractor, Dozer, Pump, Compressor, Generato and Other Industrial Equipment					

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			E	XHAUST (g/kw-f		OPACITY (%)			
POWER CLASS			нс	NOx	NMHC+NOx	со	PM	ACCEL	LUG	PEAK
37 <u>≤</u> kW < 75	Tier 2	STD	N/A N/A		7.5	5.0	0.40	20	15	50
		CERT			6.7	1.2	0.28	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 2006.

Annette Hebert, Chief Mobile Source Operations Division

LARGE ENGINE MODEL SUMMARY

U-2-005-0267 9/12/06

Process Code: New Submission Manufacturer: KOMATSU Ltd.

EPA Engine Family: 7KLXL03.3JB3.

Manufacturer Family Name:

S4D95LE-3

1									•.		
9.Emission Control . Device Per SAE J1930	Idel, EM , JTT	EM	() EM //	V EM V							
8.Fuel Rate: (lbs/hr)@peak torque	19	17	24	24	21	24	22	. 25	21	-	
7.Fuel Rate: mm/stroke@peak tor que	60	53	68	67	59	67	61	70	53	1	1
6.Torque @ RPM (SEA Gross)	192@1450	178@1500	215@1600	215@1600	195@1600	215@1600	188@1600	215@1600	199@1600	. :	
5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	25	21	34	30	29	30	29	33	27	28	32
4.Fuel Rate: nur/stroke @ peak HP (for diesel only)	54	51	59	60	51	60	56	63	50	69	19
3.BHP@RPM (SAE Gross)	65@2100	57@1850	85@2600	80@2200	75@2600	80@2200	74@2350	83@2350	71@2000	73@1800	81@1800
2.Engine Model	S4D95LE-3	S4D95LE-3	S4D95LE-3	S4D95LE-3	S4D95LE-3	S4D95LE-3	S4D95LE-3	S4D95LE-3	S4D95LE-3	S4D95LE-3	S4D95LE-3
1.Engine Code	2C02	2C03	2C04	2C07	2C08	2C09	2C17	2C18	2C20	2G01	2G02

LARGE ENGINE MODEL JUMMARY

U-R-005-0267

9/12/06

Process Code: New Sub - continued Manufacturer: KOMATSU Ltd.

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·	9.Emission Control Device Per SAE J1930	EM	EM	EM	EM	EM	EM	EM	EM	EM
	9.Em Device	Ŕ	•	 _	-				$\langle \rangle$	5
	8.Fuel Rate: (lbs/hr)@peak torque	24	24	21	19	24	22	25	ł	I .
S4D95LE-3	7.Fuel Rate: mm/stroke@peak tor que	68	67	59	60	67	61	70	ł	
Family Name:	6.Torque @ RPM (SEA Gross)	215@1600	215@1600	195@1600	192@1450	215@1600	188@1600	215@1600	1	1
Manufacturer Family Name:	5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	34	30	29	25	30	29	33	28	32
	4.Fuel Rate: mm/stroke @ peak HP (for diesel only)	59 .	60	51	54	60	56	63	69	19
ly: 7KLXL03.3JB3	3.BHP@RPM (SAE Gross)	85@2600	80@2200	75@2600	65@2100	80@2200	74@2350	83@2350	73@1800	81@1800
	2.Engine Model	B3.3	B3.3	B3.3	B3.3	B3.3	B3.3	B3.3	4BT3.3-G4 NR2	4BT3.3-G6 NR2
EPA Engine Family:	1.Engine Code	FR30203	FR30204	FR30208	FR30219	FR30220	FR30226	FR30227	FR30207	FR30205