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 engines and emission control systems 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)							
2012	CKBXL02.4GAD	2.434	Diesel 50								
	FEATURES & EMISSION		TYPICAL EQUIPMENT APPLICATION								
Me	echanical Direct Injection,	Turbocharger	Loaders, Tractor, Compressor, Generator Set, Other Industrial Equipment								

The engine models and codes are attached.

The following are the exhaust certification standards (STD) and certification levels (CERT) for non-methane hydrocarbon (NMHC), 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			E	XHAUST (g/kW-l	OPACITY (%)					
POWER CLASS	STANDARD CATEGORY		NMHC	NOx	NMHC+NOx	co	PM	ACCEL	LUG	PEAK	
19 ≤ kW < 37	Interim Tier 4	STD	N/A	N/A	7.5	5.5	0.30	20	15	50	
		CERT			6.6	0.8	0.16	2	1	5	

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 2011.

Annette Hebert, Chief

Mobile Source Operations Division

Engine Model Summary Form

KUBOTA Corporation Manufacturer:

Nonroad Cl Engine category:

CKBXL02.4GAD Mfr Family Name: N/A EPA Engine Family.

New Submission Process Code:

Attachment

E0# U-R-025-0546

1100/5/5/

	J	74 JUN	Marine.		Zw	33 <u>133</u>	Pika		loji st	(1)	1: V47	\$47.30 \$47.30 \$4.30 \$4.00 \$6.00 \$4.00 \$6.00 \$4.00 \$6.00 \$4.00 \$6.00 \$4.00 \$6.00 \$4.0		geriyesig ele Apige	N/39			ĎÆG:	2)
8.Fuel Rate: 9.Emission Control (lbs/hr)@peak torque Device Per SAE J1930	EM, DDL, T	EM		EM C								是一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个	· · · · · · · · · · · · · · · · · · ·							
8.Fuel Rate: (lbs/hr)@peak torque	201 多数	11.0	0.1	11.0	Programme では、大きない。 のでは、からいことは私を呼びばられる。											は、からないというとうできます。 かんかん かんかん かんかん かんかん かんかん かんしん はんき こうかん かんしん かんしん かんしん かんしん かんしん かんしん かんしん か				
7.Fuel Rate: mm/stroke@peak torque	42.7	41.0	41.0	41.0				1、1、1、1、1、1、1、1、1、1、1、1、1、1、1、1、1、1、1、		(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)										
6.Torque @ RPM (SEA Gross)	140.1@1100	135.0@1200	135.0@1200	135.0@1200		の			The second secon	· · · · · · · · · · · · · · · · · · ·										
5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	18.7	19.9	19.6	19.3			To the following the control of the	1000年の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の				大学 はまで 大学 は 変までは 変なれてい					The state of the s			
4.Fuel Rate: mm/stroke @ peak HP (for diesel only)	38.0		38.1	39.2								11、11、11、11、11、11、11、11、11、11、11、11、11、			一 一 一 一 一 一 一 一 一 一 一 一 一 一 一 一 一 一 一					
3.BHP@RPM (SAE Gross)	48.9@2200	48.9@2400	48.9@2300	48.9@2200		でいましている。 まっというこの 大学の大学の でんかい かんかん かんかん かんかん かんかん かんかん かんかん かんかん	TO THE PROPERTY OF THE PROPERT	A CONTRACTOR OF THE CONTRACTOR	The state of the s							では、大学の経験があるから				
2.Engine Model	V2403-M-DI-T-ET	V2403-M-DI-T-ET	V2403-M-DI-T-ET	V2403-M-DI-T-ET	10000000000000000000000000000000000000	は 一般の まっとう 多名を記し			Company of the Compan											and the second s
1.Engine Code	V2403-M-DI-T-ET01	V2403-M-DI-T-ET02	V2403-M-DI-T-ET03 V2403-M-DI-T-ET	V2403-M-DI-T-ET04 V2403-M-DI-T-ET																