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)				
2010	AKBXL02.6EAD	2.615	Diesel	8000				
	FEATURES & EMISSION							
Me	chanical Direct Injection, Exhaust Gas Recirc	Turbocharger, ulation	Compressor, 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			E	EXHAUST (g/kw-ł	OPACITY (%)				
POWER CLASS	STANDARD CATEGORY		нс	NOx	NMHC+NOx	со	PM	ACCEL	LUG	PEAK
37 <u>≤</u> kW < 56	Tier 4 Interim	STD	N/A	N/A	4.7	5.0	0.30	20	15	50
		CERT			3.9	0.9	0.22	4	1	<b>1</b> 1

**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 2009.

tuents FOR AGM

Annette Hebert, Chief Mobile Source Operations Division

## **Engine Model Summary Form**

Manufacturer: KUBOTA Corporation Engine category: Nonroad Cl EPA Engine Famly. AKBXL02.6EAD Mfr Family Name: N/A Process Code: Running Change

Attachment

E0# U-R-025-0449

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hission Control Per SAE J1930	EM, EGR, T& DDT	EM,EGR	EM.EGR	EM,EGR	EM.EGR	EM,EGR	EM.EGR	EM,EGR					
8.Fuel Rate: 9.Emission Control (lbs/hr)@peak torque Device Per SAE J1930	19.3 E	18.1 E	18.1 E	16.4 E	18.1 E	18.1 E	18.1	17.2 E					
/.Fuel Kate: mm/stroke@peak torque	54.0	50.6	50.6	45.9	50.6	50.6	50.6	51.2					
6. Torque @ RPM (SEA Gross)	173.6@1600	162.5@1600	162.5@1600	155.5@1600	162.5@1600	162.5@1600	162.5@1600	166.5@1500					
5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	27.5	27.5	27.5	25.4	26.4	24.4	21.9	21.6					
4.Fuel Rate: mm/stroke @ peak HP (for diesel only)	45.8	45.6	45.6	42.1	45.5	45.5	44.5	48.3					
3.BHP@RPM (SAE Gross)	66.0 <b>@</b> 2700	66.0@2700	66.0 <b>0</b> 2700	61.0@2700	64.6@2600	61.8@2400	56.7@2200	57.7@2000					
2.Engine Model	V2607-DI-T-ET	V2607-DI-T-ET	V2607-DI-T-ET	V2607-DI-T-ET	V2607-DI-T-ET	V2607-DI-T-ET	V2607-DI-T-ET	V2607-DI-T-ET					
1.Engine Code	V2607-DI-T-ET01	V2607-DI-T-ET02	V2607-DI-T-ET03	V2607-DI-T-ET04	V2607-DI-T-ET06	V2607-DI-T-ET06	V2607-DI-T-ET07	V2607-DI-T-ET08					