

KUBOTA Corporation

EXECUTIVE ORDER U-R-025-0449 New Off-Road Compression-Ignition Engines

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		TYPICAL EQUIPMENT APPLIC	
Ме	chanical Direct Injection, Exhaust Gas Recirc	Turbocharger, ulation	Compressor, Other Industrial E	quipment

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-i	nr)		OF	PACITY (%	6)
POWER CLASS	STANDARD CATEGORY		HC	NOx	NMHC+NOx	co	PM	ACCEL	LUG	PEAK
37 ≤ 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	11

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.

Annette Hebert, Chief

Mobile Source Operations Division

Engine Model Summary Form

KUBOTA Corporation AKBXL02.6EAD Nonroad CI EPA Engine Family. Engine category: Manufacturer:

New Submission Mfr Family Name: Process Code:

Attachment

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-1-ET 66.0@2700 45.6 27.5 173.6@1600 54.0 19.3 EM.EGR 7 L. A. L. E. L. B. L. E. L.	2.Engine Model	Model	3.BHP@RPM (SAE Gross)	4. mm/str (for	4.Fuel Rate: mm/stroke @ peak HP (for diesel only)		5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)		6.Torque @ RPM (SEA Gross)	7.F mm/st	7.Fuel Rate: mm/stroke@peak torque		8.Fuel Rate hr)@peak t	orque D	8.Fuel Rate: 9.Emission Control (Ibs/hr)@peak torque Device Per SAE J1930	-
66.0@2700 45.6 27.5 168.4@1600 52.4 18.7 66.0@2700 45.6 27.5 162.5@1600 50.6 18.1 61.0@2700 42.1 25.4 155.5@1600 45.9 16.4 64.6@2800 45.5 26.4 148.4@1600 52.4 18.7 61.8@2400 45.5 24.4 168.4@1600 52.4 18.7 58.7@2200 44.5 21.9 168.4@1600 52.4 18.7	V2607-DI-T-ET	LT-ET	66.0@2700		45.6		27.5		73.6@1600		5.0		19.3		EM,EGR,TC	JAKed.
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64.6@2600 45.5 26.4 183.7 EM.EGR 61.8@2400 45.5 24.4 168.4@1600 52.4 18.7 EM.EGR 56.7@2200 44.5 21.9 168.4@1600 52.4 18.7 EM.EGR	V2607-DI-T-ET	N-T-ET	61.0@2700		42.1		25.4	_	55.5@1600		45.9		16.4		EM,EGR	
61.8@2400 45.5 24.4 168.4@1600 52.4 18.7 EM.EGR 56.7@2200 44.5 21.9 168.4@1600 52.4 18.7 EM.EGR	V2607-DI-T-ET	J-T-ET	64.6@2600	-	45.5	1	26.4	-	68.4@1600		52.4		18.7		EM,EGR	
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	V2607-DI-T-ET	t-ET	56.7@2200		4.5		21.9	•	68.4@1600		52.4	S.	18.7		EM,EGR	>
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