EXECUTIVE ORDER U-R-025-0600 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)			
2014	EKBXL.778KCB	0.778	Diesel	3000			
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION				
	Indirect Diesel Inje	ction	Tractor, Generator Set, and 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			I	EXHAUST (g/kw-h	OPACITY (%)				
POWER	STANDARD		NMHC	NOx	NMHC+NOx	СО	PM	ACCEL	LUG	PEAK
8 < kW < 19	Tier 4 Final	STD	N/A	N/A	7.5	6.6	0.40	20	15	50
		CERT			6.1	1.6	0.29	10	11	20

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 2013

Erik White, Chief

Mobile Source Operations Division

Engine Model Summary Form

Manufacturer:

KUBOTA Corporation

Engine category:

Nonroad CI

EPA Engine Family:

EKBXL.778KCB

Mfr Family Name:

N/A

Process Code:

New Submission

Attachment

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E0# U-R-025-0600 Date: 11/21/2013

1.Engine Code	2.Engine Model	Engine Model 3.BHP@RPM (SAE Gross) 4.Fuel Rate: 5.Fuel Rate: 6.Torque @ RPM (SEA Gross) 7.Fuel Rate: 8.Fuel Rate: 6.Torque @ RPM (SEA Gross) 7.Fuel Rate: 8.Fuel Rate: 6.Torque @ RPM (SEA Gross) 7.Fuel Rate: 6.Torque @ RPM (SEA Gross) 6.Torque 6.T		(lbs/hr)@peak	9.Emission Control Device Per SAE J1930			
3D67E	₩####################################	15.8@2600	15.6	6.8	34.2@1800	15.8	4.8	EM, IFI
D782-EF01	D782-EF	19.4@3200	16.1	8.6	37.2@1900	17.2	5.5	EM, IFI
D782-EF02	D782-EF	19.3@3200	15.5	8.3	36.7@2400	16.8	6.8	AP A PER EMPIFICACION DE
D782-EF03	D782-EF	17.0@3000	14.6	7.3	34.4@2400	16.0	6.4	EM, IFI
D782-EF04	D782-EF	15.8@2600	15.6	6.8	34.2@1800	15.8	4.8	TERRITOR EM, IFI

D782-EF03	D782-EF	17.0@3000	14.6	7.3	34.4@2400	16.0	6.4	EM, IFI	1
D782-EF04	D782-EF	15.8@2600	15.6	6.8	34.2@1800	15.8	4.8	EM, IFI	
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