California	Environmental	Protection	
OB A	r Pasaul		

KUBOTA Corporation

EXECUTIVE ORDER U-R-025-0567-1 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)		
		0.599, 0.899	Diesel	3000		
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS		TYPICAL EQUIPMENT APPLICATION				
Indirect Diesel Injection			Loader, Tractor, 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			EXHAUST (g/kw-hr)				OPACITY (%)			
POWER STANDARD CLASS CATEGORY		NMHC	NOx	NMHC+NOx	СО	PM	ACCEL	LUG	PEAK	
kW < 19	Tier 4 Final	OPTIONAL STD	N/A	N/A	7.5	6.6	0.40	20	15	50
		CERT			5.6	2.0	0.31	8	6	13

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has complied with the more stringent set of standards from the various power categories in conformance with Section 1039.230 (e) of the "California Exhaust Emission Standards and Test Procedures for 2008 and Later Tier 4 Off-Road Compression-Ignition Engines, Part I-C" adopted October 20, 2005.

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.

This Executive Order hereby supersedes Executive Order U-R-025-0567 dated July 27, 2012.

Executed at El Monte, California on this ____

___ day of October 2012.

Annette Hebert, Chief

Mobile Source Operations Division

Engine Model Summary Form

Manufacturer:

KUBOTA Corporation

Engine category:

Nonroad Cl

EPA Engine Family: DKBXL.898KCB

Mfr Family Name: N/A

Process Code:

New Submission

Attachment E0# U-R-0>5-0567-1
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1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	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.Fuel Rate: mm/stroke@peak torque	8.Fuel Rate: (lbs/hr)@peak torque	9.Emission Control Device Per SAE J1930
D902-EF01	D902-EF	24.8@3600	18.4	11.1	41.4@2600	19.5	8.5	EM IDI
D902-EF02	D902-EF	23.3@3400	18.6	10.6	40.6@2400	19.6	7.9	EM ,
D902-EF03	D902-EF	21.6@3200	17.5	9.4	41.4@2400	19.7	7.9	EM
D902-EF04	D902-EF	20.8@3000	18.0	9.1	41.1@2000	19.6	6.6	EM
D902-EF05	D902-EF	20.2@3000	17.5	8.8	40.9@2000	19.4	6.5	EM
D902-EF06	D902-EF	18.0@2600	17.3	7.5	40.1@2200	18.8	6.9	EM · \
D902-EF07	D902-EF	16.2@2400	16.9	6.8	40.3@1900	19.1	6.1	EM
D902-EF08	D902-EF	16.1@2300	17.4	6.7	38.4@1800	18.0	5.4	EM
Z602-EF01	Z602-EF	16.9@3600	19.0	7.6	28.4@2200	20.2	5.0	ÊM
Z602-EF02	Z602-EF	16.8@3600	18.9	7.6	27.9@2600	20.0	5.8	EM
Z602-EF03	Z602-EF	14.5@3200	18.0	6.4	28.0@2400	20.1	5.4	EM
Z602-EF04	Z602-EF	12.7@2800	17.8	5.6	26.6@2300	19.0	4.9	EM
Z602-EF05	Z602-EF	11.7@2600	17.4	5.1	26.8@2100	19.4	4.6	EM
Z602-EF06	Z602-EF	10.7@2400	17.3	4.6	25.7@1900	17.9	3.8	EM /
Z602-EF07	Z602-EF	9.9@2200	17.4	4.3	25.6@1800	19.1	3.8	EM V
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