KUBOTA Corporation

EXECUTIVE ORDER U-R-025-0402 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)								
2009	9KBXL03.6BAD	3.620	Diesel 8000									
	FEATURES & EMISSION C		TYPICAL EQUIPMENT APPLICATION									
Indirect Recirc	Diesel Injection, Turbocha ulation, Smoke Puff Limite	arger, Exhaust Gas er (Some Models)	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 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	XHAUST (g/kW-l	OPACITY (%)					
POWER	STANDARD CATEGORY		НС	NOx	NMHC+NOx	СО	PM	ACCEL	LUG	PEAK	
56 ≤ kW < 75	Tier 3	STD	N/A	N/A	4.7	5.0	0.40	20	15	50	
		CERT			4.1	0.7	0.21	3	1	7	

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.

Raphael Sosnows

Annette Hebert, Chief

Mobile Source Operations Division

Engine Model Summary Form

KUBOTA Corporation Manufacturer:

Nonroad CI Engine category:

EPA Engine Family: 9KBXL03.6BAD

Mfr Family Name: N/A

New Submission Process Code:

Attachment

U-K-025-0402

P. 1 of 1

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8.Fuel Rate: 9.Emission Control (lbs/hr)@peak torque Device Per SAE J1930	EM,SPL,EGR	EM,EGR	EM, SPL, EGR	EM,EGR	EM,SPL,EGR	EM,EGR	EM,SPL,EGR	EM,EGR	EM,SPL,EGR	EM,EGR	EM,SPL,EGR	EM,EGR	EM, SPL, EGR	The state of the s			The state of the s							
8.Fuel Rate: (lbs/hr)@peak torque	27.0	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	25.6	25.6			des manys agreement and a community many many many many many many many man	description of the second				And the state of t	entering the second sec	rational and the control of the cont	
7.Fuel Rate: mm/stroke@peak torque	75.5	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	71.5	71.5		and the first terms of the first		The state of the s				And the second s		and the second s	
6.Torque @ RPM (SEA Gross)	221.3@1600	218.3@1600	218,3@1600	218.3@1600	218.3@1600	218.3@1600	218.3@1600	218.3@1600	218,3@1600	218.3@1600	218.3@1600	208.7@1600	208.7@1500		confidence concentration of the state of the	ta annua in terreta de la companya d	and the state of t		entradistrictiva in the contractiva de la contractiva de la contractiva de la contractiva de la contractiva de		Action of the second of the se		and the second s	
5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	38.4	37.8	37.8	transminution for feet and adjustment in the constitution and the consti	37.2	35.9	35.9	33.9	33.9	31.5	31.5	37.8	37,8		and the second contract of the second contrac		and the second s				And the second of the second o		o homeline de la companie de la comp	
4.Fuel Rate: mm/stroke @ peak HP (for diesel only)	0.99	65.0	65.0	66.5	66.5	67.0	67.0	0.999	0.99	64.0	64.0	65.0	65.0			kali mare dian da le california de la ca	And the second s		THE CONTROL OF THE STREET,		of series of the		and the state of t	
3.BHP@RPM m (SAE Gross)	85.2@2600	84.5@2600	84.5@2600	83.8@2500	83.8@2500	83.5@2400	83.5@2400	79.4@2300	79.4@2300	76.6@2200	76.6@2200	84.5@2600	84.5@2600									The state of the s		
2.Engine Model	V3600-T-ET 67.6	V3600-T-ET	V3600-T-ET	V3600-T-ET	V3600-T-ET	V3600-T-ET	V3600-T-ET	V3600-T-ET	V3600-T-ET	V3600-T-ET \$\int 76.6\alpha 2200	V3600-T-ET	V3600-T-ET	V3600-T-ET			THE RESERVE THE PROPERTY OF TH				The second secon	**************************************			8-14-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1
1.Engine Code	V3600-T-ET01b	V3600-T-ET02	V3600-T-ET02b	V3600-T-ET03	V3600-T-ET03b	V3600-T-ET04	V3600-T-ET04b	V3600-T-ET05	V3600-T-ET05b	V3600-T-ET06	V3600-T-ET06b	V3600-T-ET07	V3600-T-ET07b	***************************************	THE RESERVE THE RESERVE THE PERSON NAMED IN STREET				MINISTER MANAGEMENT CONTRACTOR OF THE PROPERTY					***************************************