

Pursuant to the authority vested in California 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-14-012;

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.

	all material respects the	DISPLACEMENT	FUEL TYPE	USEFUL LIFE (hours)		
MODEL YEAR ENGINE FAMILY		(liters)		8000		
2019	KKBXL03.8AMD	3.77	Diesel			
	FEATURES & EMISSION	CONTROL SYSTEMS	TYPICAL EQUIPMENT APPL	CATION		
Electronic	c Direct Injection, Turboo lation, Charge Air Coole e, Periodic Trap Oxidize yst, Selective Catalytic F Ammonia Oxidation	charger, Exhaust Gas r, Electronic Control r, Diesel Oxidation Reduction – Urea,	Loader, Tractor, 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):

(13 CCR) Sect	1011 2423).							Ol	PACITY (%	6)
RATED	EMISSION STANDARD		NAME	EXHAUST (g/kw-h		CO	PM	ACCEL	LUG	PEAK
POWER CLASS	CATEGORY		NMHC	NOX	Tellinia itali					N/A
56 < kW < 130	Tier 4 Final	OPTIONAL STD	0.19	0.40	N/A	5.0	0.02	N/A	N/A	19/7
20 Z KVV 1 100		015	-	- 10		0.1	0.004			
	,	CERT	0.02	0.16		0.1	0.00			

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).

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 New 2011 and Later Tier 4 Off-Road Compression Ignition Engines, Part I-D" adopted October 20, 2005 and last amended October 25, 2012.

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 2018.

Annette Hebert, Chief

Emissions Compliance, Automotive Regulations and Science Division

Engine Model Summary Form

E0# U-R-0>5-0841 Date: 10/25/2018

KUBOTA Corporation

Nonroad Cl

Engine category: KKBXL03.8AMD EPA Engine Family:

Mfr Family Name:

Process Code:

Manufacturer:

New Submission

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ocess Code:	New Submission			I D-t		7.Fuel Rate:	8.Fuel Rate:	9.Emission Control
1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate: mm/stroke @ peak HP	5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	6.Torque @ RPM (SEA Gross)	mm/stroke@peak torque	(lbs/hr)@peak torque	Device Per SAE J1930
LEngine Code	Z.Eligino in	(SAE GIOSS)	(for diesel only)	40.4	279.8@1500	84.2	28.2	EM, DFI, TC, EGR, CAC, ECM, PTOX, DOC, SCR, AMOX
C3 8-CR-TI-EV03	C3.8-CR-TI-EV	109.7@2400	75.3	Control Section Control of Management Control of Contro	243.4@1500	73.8	24.7	EM, DFI, TC, EGR, CAC, ECM, PTOX, DOC, SCR, AMOX
C3 8-CR-TI-EV12	C3.8-CR-TI-EV	96.7@2400	66.8	35.8	The second secon	84.2	28.2	EM, DFI, TC, EGR, CAC, ECM, PTOX, DOC, SCR, AMOX
03 8J-CR-TI-EV02	AND REPORT OF THE PERSON AND PROPERTY OF THE PERSON AND PERSON	114.1@2600	73.6	42.8	279.8@1500	84.2	28.2	EM, DFI, TC, EGR, CAC, ECM, PTOX, DOC, SCR, AMOX
THE RESIDENCE OF THE PARTY OF T	MANAGEMENT AND THE COME AND ADDRESS OF THE PARTY ADDRESS OF THE PA	106.6@2200	78.8	38.8	279.8@1500	100.5	40.4	EM, DFI, TC, EGR, CAC, ECM, PTOX, DOC, SCR, AMOX
03 8J-CR-TI-EV04	THE RESERVE THE PARTY AND THE	130.1@2400	91.0	48.8	331.9@1800	parties and the Company of the Compa	29.3	EM, DFI, TC, EGR, CAC, ECM, PTOX, DOC, SCR, AMOX
/3800-CR-TI-EV00	MANAGEMENT COMMUNICATION OF THE OWNER PROPERTY OF THE OWNER OWNER OF THE OWNER O	116.9@2600	76.5	44.5	286.3@1500	87.5	28.2	EM, DFI, TC, EGR, CAC, ECM, PTOX, DOC, SCR, AMOX
V3800-CR-TI-EV0	COMPANY OF STREET, SHIP AND ADDRESS OF STREET, WAS STREET, WHITE ADDRESS OF STREET, WHITE ADDRES	114.1@2600	73.6	42.8	279.8@1500	84.2	28.2	EM, DFI, TC, EGR, CAC, ECM, PTOX, DOC, SCR, AMOX
V3800-CR-TI-EV0	Mark All R. Personal Association and Company and Compa	109.7@2400	75.3	40.4	279.8@1500	84.2		EM, DFI, TC, EGR, CAC, ECM, PTOX, DOC, SCR, AMOX
V3800-CR-TI-EV0	COMMERCIAL SECTION AND ADDRESS OF THE PERSON ADDRESS OF THE PERS	The second secon	78.8	38.8	279.8@1500	84.2	28.2	EM DELTC. EGR. CAC, ECM, PTOX, DOC, SCR, AMO.
V3800-CR-TI-EV0		106.6@2200	74.1	43.1	279.8@1500	84.5	28.3	EM, DFI, TC, EGR, CAC, ECM, PTOX, DOC, SCR, AMO
V3800-CR-TI-EV		114.1@2600	68.0	39.5	255.3@1500	77.1	25.9	EM, DFI, TC, EGR, CAC, ECM, PTOX, DOC, SCR, AMO
V3800-CR-TI-EV		104.5@2600	73.5	42.7	268.3@1500	81.0	27.2	EM, DFI, TC, EGR, CAC, ECM, PTOX, DOC, SCR, AMC
V3800-CR-TI-EV	7 V3800-CR-TI-EV	113.2@2600	A THE RESIDENCE OF THE PARTY OF	41.0	259.4@1500	78.4	26.3	CONTRACTOR OF THE PROPERTY OF
V3800-CR-TI-EV	8 V3800-CR-TI-EV	108.2@2600	70.5	39.3	267.4@1500	80.8	27.1	EM, DFI, TC, EGR, CAC, ECM, PTOX, DOC, SCR, AMC
V3800-CR-TI-EV	9 V3800-CR-TI-EV	105.7@2400	73.2	36.3	231.4@1500	70.8	23.7	EM, DFI, TC, EGR, CAC, ECM, PTOX, DOC, SCR, AMC
	10 V3800-CR-TI-EV	95.1@2600	62.5	THE RESERVE OF THE PARTY OF THE	243.8@1500	74.4	24.9	EM, DFI, TC, EGR, CAC, ECM, PTOX, DOC, SCR, AMC
	11 V3800-CR-TI-EV	92.5@2400	64.5	34.6	243.4@1500	73.8	24.7	EM, DFI, TC, EGR, CAC, ECM, PTOX, DOC, SCR, AMC
	12 V3800-CR-TI-EV	96.7@2400	66.8	35.8	255.9@1500	77.1	25.9	EM, DFI, TC, EGR, CAC, ECM, PTOX, DOC, SCR, AMO
V3800-CR-TI-EV	CANADARD CONTRACTOR CO	94.9@2400	65.8	35.3	THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	CONTRACTOR OF STREET	26.6	EM, DFI, TC, EGR, CAC, ECM, PTOX, DOC, SCR, AM
V3800-CR-TI-EV	AND THE RESIDENCE AND ADDRESS OF THE RESIDENCE AND ADDRESS OF THE PARTY OF THE PART	110.2@2600	71.5	41.6	262.1@1500		24.1	EM, DFI, TC, EGR, CAC, ECM, PTOX, DOC, SCR, AM
	15 V3800-CR-TI-EV	Michigan Carlotte Car	63.7	37.0	235.4@1500		39.1	EM, DFI, TC, EGR, CAC, ECM, PTOX, DOC, SCR, AM
	/16 V3800-CR-TI-EV	COLUMN TO THE RESERVE OF THE PARTY OF THE PA	88.4	47.4	324.5@1800	ACTION OF THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	39.1	EM, DFI, TC, EGR, CAC, ECM, PTOX, DOC, SCR, AN
	/17 V3800-CR-TI-EV	AMERICAN PROPERTY AND ADDRESS OF THE PARTY O		45.1	324.5@1800	97.1		