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-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.

MODEL YEAR ENGINE FAMILY		DISPLACEMENT (liters)	FUEL TYPE	USEFUL LIFE (hours)			
2018	JKBXL03.3GMD	3.331	Diesel	8000			
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION				
Cooler	c Direct Injection, Turbo , Electronic Control Mod tion, Periodic Trap Oxidi: Catalyst	ule, Exhaust Gas	Loader, Tractor, Other Industrial Equipment				

The engine models and codes are attached.

CALIFORNIA

AIR RESOURCES BOARD

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 POWER CLASS	EMISSION STANDARD CATEGORY		EXHAUST (g/kw-hr)				OPACITY (%)			
			NMHC	NOx	NMHC+NOx	со	PM	ACCEL	LUG	PEAK
37 <u>≤</u> kW < 56	Tier 4 Final	STD	N/A	N/A	4.7	5.0	0.03	N/A	N/A	N/A
		CERT			3.9	0.1	0.000	·		

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 October 2017.

Annette Hebert, Chief Emissions Compliance, Automotive Regulations and Science Division

## **Engine Model Summary Form**

Attachment

page 1 of 1

## E0# U-R- 025-0788 Date: 9/25/2017

 Manufacturer:
 KUBOTA Corporation

 Engine category:
 Nonroad Cl

 EPA Engine Family:
 JKBXL03.3GMD

 Mfr Family Name:
 N/A

 Process Code:
 New Submission

4. Fuel Rate: 5. Fuel Rate: 7.Fuel Rate: 8. Fuel Rate: 3.BHP@RPM 6. Torque @ RPM 9. Emission Control 1.Engine Code 2.Engine Model mm/stroke @ peak HP (lbs/hr) @ peak HP mm/stroke@peak (lbs/hr)@peak (SAE Gross) (SEA Gross) Device Per SAE J1930 (for diesel only) (for diesels only) torque torque 23.2 V3307-CR-TI-EF01 V3307-CR-TI-EF 28.5 74.1 EM, DFI, TC, EGR, CAC, ECM, PTOX, DOC 73.2@2600 49.0 256.4@1400 V3307-CR-TI-EF02 V3307-CR-TI-EF 73.2@2600 48.1 28.0 243.4@1400 71.0 22.2 EM, DFI, TC, EGR, CAC, ECM, PTOX, DOC 73.2@2400 71.0 22.2 243.4@1400 EM, DFI, TC, EGR, CAC, ECM, PTOX, DOC V3307-CR-TI-EF03 V3307-CR-TI-EF 49.7 26.7 V3307-CR-TI-EF04 V3307-CR-TI-EF 73.2@2200 53.0 26.1 243.4@1400 71.0 22.2 EM, DFI, TC, EGR, CAC, ECM, PTOX, DOC V3307-CR-TI-EF05 V3307-CR-TI-EF 73.2@2000 56.9 25.4 243.4@1400 71.0 22.2 EM, DFI, TC, EGR, CAC, ECM, PTOX, DOC