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.

MODEL	ENGINE FAMILY	DISPLACEMENT (liters)	FUEL TYPE	USEFUL LIFE (hours) 8000			
2019	KKBXL02.6EKD	2.616	Diesel				
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION				
Ele Exhaust C Diesel	ctronic Direct Injection, Gas Recirculation, Electro Oxidation Catalyst, Perio	Turbocharger, onic Control Module, odic Trap Oxidizer	Loader, Tractor, 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 POWER CLASS	EMISSION STANDARD CATEGORY		EXHAUST (g/kW-hr)				OPACITY (%)			
			NMHC	NOx	NMHC+NOx	CO	РМ	ACCEL	LUG	PEAK
19 <u>≤</u> kW < 56	Tier 4 Final	OPTIONAL STD	N/A	N/A	4.7	5.0	0.03	N/A	N/A	N/A
		CERT			3.3	0.04	0.001			

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 November 2018.

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

Engine Model Summary Form

page

Attachment

1 0+

E0# U-R-025-0835 Date: 10/24/2018

Manufacturer. **KUBOTA** Corporation Nonroad Cl Engine category: EPA Engine Family: KKBXL02.6EKD 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 (lbs/hr) @ peak HP mm/stroke@peak (lbs/hr)@peak mm/stroke @ peak HP Device Per SAE J1930 (SEA Gross) (SAE Gross) (for diesel only) (for diesels only) torque torque EM, DFI, TC, EGR, ECM, PTOX, DOC 163.4@1500 49.5 16.6 D2.6H-CR-T-EF03 D2.6H-CR-T-EF 63.4@2400 45.4 24.4 16.6 EM, DFI, TC, EGR, ECM, PTOX, DOC D2.6H-CR-T-EF04 D2.6H-CR-T-EF 59.4@2200 44.6 21.9 163.4@1500 49.5 D2.6H-CR-T-EF 56.9@2000 46.8 20.9 160.1@1300 49.4 14.4 EM, DFI, TC, EGR, ECM, PTOX, DOC D2.6H-CR-T-EF06 47.2 EM, DFI, TC, EGR, ECM, PTOX, DOC D2.6H-CR-T-EF07 D2.6H-CR-T-EF 48.3@2000 40.5 18.1 152.6@1300 13.7 52.2 EM, DFI, TC, EGR, ECM, PTOX, DOC 46.4 28.0 171.0@1600 18.7 V2607-CR-T-EF 70.0@2700 V2607-CR-T-EF01 V2607-CR-T-EF02 V2607-CR-T-EF 70.0@2700 46.4 28.0 163.4@1600 49.5 17.7 EM, DFI, TC, EGR, ECM, PTOX, DOC 16.6 EM, DFI, TC, EGR, ECM, PTOX, DOC V2607-CR-T-EF03 V2607-CR-T-EF 63.4@2400 45.4 24.4 163.4@1500 49.5 EM, DFI, TC, EGR, ECM, PTOX, DOC V2607-CR-T-EF04 V2607-CR-T-EF 59.4@2200 44.6 21.9 163.4@1500 49.5 16.6 V2607-CR-T-EF 65.0@2700 26.0 163.4@1600 49.5 17.7 EM, DFI, TC, EGR, ECM, PTOX, DOC V2607-CR-T-EF05 43.1 56.9@2000 46.8 20.9 160.1@1300 49.4 14.4 EM, DFI, TC, EGR, ECM, PTOX, DOC V2607-CR-T-EF06 V2607-CR-T-EF EM, DFI, TC, EGR, ECM, PTOX, DOC 40.5 18.1 152.6@1300 47.2 13.7 V2607-CR-T-EF07 V2607-CR-T-EF 48.3@2000 163.4@1500 EM, DFI, TC, EGR, ECM, PTOX, DOC 25.9 49.5 16.6 V2607-CR-T-EF08 V2607-CR-T-EF 63.0@2700 42.9 16.8 EM, DFI, TC, EGR, ECM, PTOX, DOC V2607-CR-T-EF09 V2607-CR-T-EF 67.3@2600 45.7 26.6 163.5@1500 50.1