California	Environmental	Protection	Agency
Ø Ai	r Resou	rces B	oard

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)		
2016 GKBXL.719KCC 0.479, 0.719			Diesel	3000		
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS		TYPICAL EQUIPMENT APPLICATION				
Indirect Diesel Injection			Generator Set, Light Tower, and Welder			

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 CATEGORY		NMHC	NOx	NMHC+NOx	со	РМ	ACCEL	LUG	PEAK
kW < 19	Tier 4 Final	STD	N/A	N/A	7.5	6.6	0.40	N/A	N/A	N/A
		CERT			6.0	2.5	0.21			

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.

Executed at El Monte. California on this

day of November 2015.

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

Engine Model Summary Form

EO# U-R-025-0673 Date: 11/3/2015

Manufacturer:KUBOTA CorporationEngine category:Nonroad ClEPA Engine Family:GKBXL.719KCCMfr Family Name:N/AProcess Code:New Submission

Attachment page 1 of 1

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
D722-D2-EF01	D722-D2-EF	20.5@3600	15.2	9.2	29.9@3600	15.2	9.2	EM, IEI
Z482-D2-EF01	Z482-D2-EF	14.1@3600	15.4	6.2	20.6@3600	15.4	6.2	EM, IFI
Z482-D2-EF02	Z482-D2-EF	13.3@3600	15.2	6.1	19.4@3600	15.2	6.1	EM, IFI
Z482-D2-EF03	Z482-D2-EF	12.9@3600	14.7	5.9	18.8@3600	14.7	5.9	EM, IFI
Z482-D2-EF04	Z482-D2-EF	12.3@3600	14.2	5.7	18.0@3600	14.2	5.7	EM, IFI
Z482-D2-EF05	Z482-D2-EF	9.7@2600	14.3	4.2	19.5@2600	14.3	4.2	EM, IFI
Z482-D2-EF06	Z482-D2-EF	11.1@3000	14.6	4.9	19.5@3000	14.6	4.9	EM, IFI
					an a			
		e organi zere kanpin						
Martin Constants				•				
			de la construction de la		Salah Sa		- Lucia La Carlo Reinverta (1.)	
					"我的",她问道:"			
· · · · · · · · · · · · · · · · · · ·								
a transformer and the second	and the standards of a second				and a second		n series and a state of the series of the	and the Marcard Control of the Annual State of the State
		地区。伯纳福建	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	書信書 建一种	東京的 小的小学生	1、他们-344-364		
and the state of a present (a	and the second second						The state of the s	