Pursuant to the authority vested in California Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapters 1 and 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-14-012;

IT IS ORDERED AND RESOLVED: That the following engine and emission control systems produced by the manufacturer are certified for use in small off-road equipment. Production engines shall be in all material respects the same as those for which certification is granted.

2019 KKBXS.7682AA 768 4-stroke, ≥ 225 cc Gasoline   DURABILITY HOURS SPECIAL FEATURES & EMISSION CONTROL SYSTEMS TYPICAL EQUIPMENT APPLICATION   1000 EM EM Riding Mower, Commercial Turf   ENGINE CODES/MODELS (rated power in See Attachment	MODEL YEAR ENGI		NE FAMILY	DISPLACEMENT (cc)	ENGINE CLASS		FUEL TYPE (CNG/LNG=compressed/liquefied natural gas LPG=liquefied petroleum gas)				
HOURS     EMISSION CONTROL SYSTEMS     TYPICAL EQUIPMENT APPLICATION       1000     EM     Riding Mower, Commercial Turf       ENGINE CODES/MODELS (rated power in     See Attachment	2019	кквх	S.7682AA	768	4-stroke, ≥ 2	25 cc	Gasoline				
ENGINE CODES/MODELS (rated power in						TYPICAL EQUIPMENT APPLICATION					
CODES/MODELS See Attachment	1000			EM			Riding Mower, Commercial Turf				
kilowatt, kW)	CODES/MODELS		See Attachment								

EGR=exhaust gas recirculation AIR=secondary air injection PAIR=pulsed AIR MFI=multi port fuel injection SFI=sequential MFI TBI=throttie body fuel inject DFI=direct fuel injection TC/SC=turbo/super charger CAC=charge air cooler 2(prefix)=parallel (2)(suffix)=in series ECM=engine control module

The following are the hydrocarbon plus oxides of nitrogen (HC+NOx), carbon monoxide (CO), and particulate matter (PM) emission standards (Title 13, California Code of Regulations, (13 CCR) Section 2403(b)), and certification emission levels for this engine family in grams per kilowatt hour (g/kW-hr). Engines within this engine family shall have closed crankcases in conformance with Section 1054.115(a) of the "California Exhaust Emission Standards and Test Procedures for New 2013 and Later Small Off-Road Engines," adopted October 25, 2012.

*=not applicable	HC+NOx (g/kW-hr)	CO (g/kW-hr)	PM (g/kW-hr)
STANDARD	8.0	549	*
FAMILY EMISSION LEVEL	*	*	•
CERTIFICATION LEVEL	7.4	430	*

**BE IT FURTHER RESOLVED:** That the family emission level(s) (FELs), as applicable, is an emission limit declared by the manufacturer for use in the averaging, banking and trading program and in lieu of an emission standard for certification. It serves as the applicable emission standard for determining compliance of any engine within this engine family under 13 CCR Sections 2403(e)(1) and 2407(a).

**BE IT FURTHER RESOLVED:** That for the listed engines, the manufacturer has submitted, and the Executive Officer hereby approves, the information and materials to demonstrate certification compliance with 13 CCR Section 2404 (emission control labels) and 13 CCR Sections 2405 and 2406 (emission control system warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

Quarterly reports of engines produced in this engine family for sale in California shall be submitted to the Executive Officer no later than 45 days after the end of each calendar quarter.

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

of Attachiment İ

نب ا Issued:

Model Year: Manufacturer: Engine Family:

KUBOTA Corporation KKBXS.7682AA

2019

Revised: E.O. Number: 11-11-003-0317

Units for Table: kW

## Small Off-Road Engine Model Summary Form

	47.	48.	49.	50.	51.	52.	53. Data d	54.	55.	56.
Worst Case?	Model Designation	Sales Code	Displ (cc)	Bore/ Stroke	Ignition Timing	Max Power	Rated Speed (RPM)	Rated Torque	Torque Speed (RPM)	Emiss Control Sys
X	KGZ770-ES01 KGZ770-ES02	50-State 50-State	768.0 768.0	84.2/69 84.2/69	-20.0 -20.0	16.3 16.3	3600 3600	43.24 43.24	3600 3600	EM EM