

KEM EQUIPMENT, INC./KODIAK MARINE

EXECUTIVE ORDER U-W-015-0070 New Spark-Ignition Marine Engines

Pursuant to the authority vested in California Air Resources Board by Health and Safety Code Sections 43013, 43018, 43101, 43102 and 43104; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-19-095;

IT IS ORDERED AND RESOLVED: That the following new spark-ignition marine engine and emission control systems (ECS) produced by the manufacturer are certified as described below. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	FUEL TYPE	DISPLACEMENT (cc)	LEVEL OF CLEANLINESS		
2019	KKEMM04.3DIM	Gasoline	4300	Super Ultra Low Emission ("Four Stars")		
EQUIPME	NT APPLICATION	ECS & SPECIA	ENGINE TYPE			
Inboard	d & Sterndrive	Three Way Cata Heated Oxyg Direct Fuel On-Board Diagnosti	4-Stroke			
ENGINE MODELS (rated power in kilowatts, kW)		See	Attachment			

The following are the hydrocarbon plus oxides of nitrogen (HC+NOx) and carbon monoxide (CO) exhaust emission standards (Title 13, California Code of Regulations, (13 CCR) Section 2442(b)) and certification emission levels in grams per kilowatt-hour (g/kW-hr) for this engine family. Engines in this engine family shall discharge no crankcase emissions into the ambient atmosphere in conformance with 13 CCR Section 2442(b).

	HC+NOx (g/kW-hr)	CO (g/kW-hr)
STANDARD	5.0	75.0
CERTIFICATION LEVEL	2.8	23.4

This engine family shall not be used to determine compliance through corporate averaging.

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 Sections 2443.1, 2443.2 and 2443.3 (emission control, consumer, and environmental labels), Section 2444.2 (on-board engine malfunction detection system), and Sections 2445.1 and 2445.2 (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 August 2019.

Allen Lyons, Chief

Emissions Certification and Compliance Division

Model Year: ____2019
Manufacturer Name: KEM Equipment, Inc. / Kodiak Marine
Engine Family: KKEMM04.3DIM
SI MARINE ENGINE SUPPLEMENTAL INFORMATION

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Issued: 4/10/2019

Revised:

E.O.#: U-W-015-6070

S11. MODEL SUMMARY (Use an asterisk (*) to identify worst-case engine model used for certification testing.)

S12.	S13.	0	S14.		S15.	S16.	S17.	S18.	S19.
Engine Model	Engine Code	Sales Codes (Check ALL appropriate)		Eng. Displ. (CC)	Rated Power (kW)	Rated Speed (RPM)	Peak Torque (N-m)	Peak Torque Speed (RPM)	
		Calif. Only	49- State	50- State	, -,	(**************************************			(RPM)
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