## **SUZUKI MOTOR CORPORATION**

EXECUTIVE ORDER U-W-002-0240

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			
2023	PSKXM2.042K8	Gasoline 2044		Ultra Low Emission ("Three Stars")			
EQUIPMENT APPLICATION		ECS & SPEC	AL FEATURES	ENGINE TYPE			
Outboard			ygen Sensor, uel Injection	4-Stroke			
ENGINE MODELS (rated power in kilowatts, kW)	See Attachment						

BE IT ORDERED AND RESOLVED: That the listed engines are certified to a hydrocarbon plus oxides of nitrogen (HC+NOx) family emission limit (FEL) and a carbon monoxide (CO) direct standard in accordance with a plan submitted by the manufacturer to, and approved by, the Executive Officer for compliance with the exhaust emission standards on a corporate average basis pursuant to Title 13, California Code of Regulations, (13 CCR) Section 2442(a). The HC+NOx FEL and the CO standard shall be the applicable emission standards for this engine family for determining compliance of any engine within this engine family pursuant to 13 CCR Sections 2444.1 (in-use compliance) and 2446 (audit testing). The standards and certification emission levels in grams per kilowatt-hour (g/kW-hr) for this engine family are as follows. Engines in this engine family shall have closed crankcases in conformance with Part I, Section 18(h) of the "California Exhaust Emission Standards and Test Procedures for 2001 Model-Year and Later Spark-Ignition Marine Engines."

*=not applicable	HC+NOx (g/kW-hr)	CO (g/kW-hr)		
STANDARD	*	300.0		
FAMILY EMISSION LEVEL	16.40	*		
CERTIFICATION LEVEL	13.54	38.1		

Compliance with the emission standards on a corporate average basis shall be determined pursuant to 13 CCR Section 2442(a) based on the sales-weighted average power of all engines produced for sale in California that are included in the approved corporate average compliance plan for the model-year.

**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), 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.

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 pursuant to 13 CCR Sections 2442(a)(2)(B) and 2446.

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 on this \_\_9th\_\_ day of February 2022.

Allen Lyons, Chief

**Emissions Certification and Compliance Division** 

Date: 2021-12-05

Engine Family: PSKXM2.042K8

Model Summary

For CARB Use Only
Executive Order: U-W-002-0240
Attachment \_\_1\_\_of\_1\_\_

			S14.						
		Sales Codes (Check all appropriate)					1		
S12. Engine Model	S13. Engine Code	CA Only	49-State	50-State	S15. Engine Displacement (cc)	S16. Rated Power (kW)	S17. Rated Speed (RPM)	S18. Peak Torque (N-m)	S19. Peak Torque Speed (RPM)
DF115BTL5	11506F			Х	2,044	85	5,500	168	4,500
DF115BTX5	11506F			Х	2,044	85	5,500	168	4,500
DF115BTLW5	11506F			Х	2,044	85	5,500	168	4,500
DF115BTXW5	11506F			Х	2,044	85	5,500	168	4,500
DF115BTXZ5	11506Z			Х	2,044	85	5,500	168	4,500
DF115BTXZW5	11506Z			Х	2,044	85	5,500	168	4,500
*DF115BTGL5	11505F			Х	2,044	85	5,500	168	4,500
DF115BTGX5	11505F			Х	2,044	85	5,500	168	4,500
DF115BTGLW5	11505F			Х	2,044	85	5,500	168	4,500
DF115BTGXW5	11505F			Х	2,044	85	5,500	168	4,500
DF115BTGXZ5	11505Z			Х	2,044	85	5,500	168	4,500
DF115BTGXZW5	11505Z			Х	2,044	85	5,500	168	4,500
DF140BTL5	14005F			Х	2,044	103	6,000	168	4,500
DF140BTX5	14005F			Х	2,044	103	6,000	168	4,500
DF140BTLW5	14005F			Х	2,044	103	6,000	168	4,500
DF140BTXW5	14005F			Х	2,044	103	6,000	168	4,500
DF140BTXZ5	14005Z			Х	2,044	103	6,000	168	4,500
DF140BTXZW5	14005Z			Х	2,044	103	6,000	168	4,500
DF140BTGL5	14004F			Х	2,044	103	6,000	168	4,500
DF140BTGX5	14004F			X	2,044	103	6,000	168	4,500
DF140BTGLW5	14004F			Х	2,044	103	6,000	168	4,500
DF140BTGXW5	14004F			X	2,044	103	6,000	168	4,500
DF140BTGXZ5	14004Z			Χ	2,044	103	6,000	168	4,500
DF140BTGXZW5	14004Z			Χ	2,044	103	6,000	168	4,500
DF115BTLSS5	11507F			Χ	2,044	85	6,000	168	4,500
DF115BTXSS5	11507F			Х	2,044	85	6,000	168	4,500