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				
2022	NSKXM0.492GA	Gasoline 490		Ultra Low Emission ("Three Stars")				
EQUIPMENT APPLICATION		ECS & SPEC	IAL FEATURES	ENGINE TYPE				
Outboard		Multiport F	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	*	390		
FAMILY EMISSION LEVEL	18.70	*		
CERTIFICATION LEVEL	14.34	35		

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 $\frac{2th}{2}$ day of May 2021.

Allen Lyons, Chief Emissions Certification and Compliance Division

SIME Exhaust Model Summary Template (rev. 2020)

Date: <u>2021-02-26</u> Engine Family: <u>NSKXM0.492GA</u>

Model Summary

			S14.						
		Sales Codes (Check all appropriate)							
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)
*2525464	035045			X	400	10.4	5.500	27	5.000
*DF25AS4	02504F			x	490	18.4	5,500	37	5,000
DF25AES4	02504F			x	490	18.4	5,500	37	5,000
DF25ATS4	02504F			x	490	18.4	5,500	37	5,000
DF25ATL4 DF25ATSW4	02504F 02504F			x	490 490	18.4 18.4	5,500 5,500	37 37	5,000 5,000
				x					
DF25ATLW4	02504F			x	490	18.4	5,500	37	5,000
DF25ATHS4	02504F			x	490	18.4	5,500	37	5,000
DF25ATHL4	02504F			x	490	18.4	5,500	37	5,000
DF25ATHSW4	02504F			X X	490	18.4	5,500	37	5,000
DF25ATHLW4	02504F 03003F				490	18.4	5,500	37	5,000
DF30ATL4				x	490	22.1	5,800	39	5,000
DF30ATLW4	03003F			X	490	22.1 22.1	5,800	39	5,000
DF30ATHL4	03003F			x	490		5,800	39	5,000
DF30ATHLW4	03003F			x	490	22.1	5,800	39	5,000

For CARB Use Only Executive Order: U-W-002-0232 Attachment 1 of 1