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	NSKXM2.872K8	Gasoline 2867		Ultra Low Emission ("Three Stars")			
EQUIPMENT APPLICATION		ECS & SPEC	AL FEATURES	ENGINE TYPE			
Outboard		Heated Ox Multiport F	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	16.30	*		
CERTIFICATION LEVEL	13.17	63.1		

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 <u>19th</u> day of April 2021.

Allen Lyons, Chief Emissions Certification and Compliance Division

SIME Exhaust Model Summary Template (rev. 2020)

Date: <u>2021-01-08</u> Engine Family: <u>NSKXM2.872K8</u>

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Model Summary

		S14.							
		Sales Codes (Check all appropriate)				ļ		<u> </u>	
S12.	\$13.	CA Only	49-State	50-State	S15.	S16.	\$17.	\$18.	S19.
Engine Model	Engine Code				Engine Displacement (cc)	Rated Power (kW)	Rated Speed (RPM)	Peak Torque (N-m)	Peak Torque Speed (RPM)
DF150ATL4	15003F			х	2,867	110	5,500	237	4,000
DF150ATX4	15003F			х	2,867	110	5,500	237	4,000
DF150ATLW4	15003F			Х	2,867	110	5,500	237	4,000
DF150ATXW4	15003F			х	2,867	110	5,500	237	4,000
DF150ATLSS4	15003F			Х	2,867	110	5,500	237	4,000
DF150ATXSS4	15003F			х	2,867	110	5,500	237	4,000
DF150ATXZW4	15003Z			х	2,867	110	5,500	237	4,000
DF150ATXZ4	15003Z			х	2,867	110	5,500	237	4,000
*DF175ATL4	17503F			х	2,867	129	5,800	238	4,000
DF175ATX4	17503F			х	2,867	129	5,800	238	4,000
DF175ATLW4	17503F			х	2,867	129	5,800	238	4,000
DF175ATXW4	17503F			х	2,867	129	5,800	238	4,000
DF175ATXZ4	17503Z			Х	2,867	129	5,800	238	4,000
DF175ATXZW4	17503Z			х	2,867	129	5,800	238	4,000
DF150APL4	15003P			Х	2,867	110	5,500	249	4,000
DF150APX4	15003P			х	2,867	110	5,500	249	4,000
DF150APLW4	15003P			Х	2,867	110	5,500	249	4,000
DF150APXW4	15003P			х	2,867	110	5,500	249	4,000
DF175APL4	17503P			х	2,867	129	5,800	249	4,000
DF175APX4	17503P			х	2,867	129	5,800	249	4,000
DF175APLW4	17503P			х	2,867	129	5,800	249	4,000
DF175APXW4	17503P			х	2,867	129	5,800	249	4,000
DF200ATL4	20003F			х	2,867	147	5,800	249	4,000
DF200ATX4	20003F			х	2,867	147	5,800	249	4,000
DF200ATLW4	20003F			х	2,867	147	5,800	249	4,000
DF200ATXW4	20003F			х	2,867	147	5,800	249	4,000
DF200ATXZ4	20003Z			х	2,867	147	5,800	249	4,000
DF200ATXZW4	20003Z			х	2,867	147	5,800	249	4,000
DF200ATLRSS4	20004F			х	2,867	147	5,800	249	4,000
DF200ATXRSS4	20004F			х	2,867	147	5,800	249	4,000
DF200APL4	20003P			х	2,867	147	5,800	249	4,000
DF200APX4	20003P			х	2,867	147	5,800	249	4,000
DF200APLW4	20003P			Х	2,867	147	5,800	249	4,000
DF200APXW4	20003P			х	2,867	147	5,800	249	4,000

For CARB Use Only Executive Order: U-W--002-0229 Attachment __1__of__1__