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	NBCXM1.638HL	Gasoline	1630	Super Ultra Low Emission ("Four Stars")				
EQUIPME	INT APPLICATION	ECS & SPECIA	AL FEATURES	ENGINE TYPE				
Inboard (Jet Boat)		Dual Three Way (Heated Oxy	uel Injection Catalytic Converter /gen Sensor tics-Marine System	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	2.2	58.7		

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 on this $\frac{10 \text{ th}}{10 \text{ th}}$ day of March 2022.

Allen Lyons, Chief Emissions Certification and Compliance Division

SIME Exhaust Model Summary Template (rev. 2020)

Date: _01<u>/06/2022_</u> Engine Family: <u>_NBCXM1.638HL</u>_

Model Summary

		S14.				!			
\$12.	\$13.	Sales Codes (Check all appropriate) CA Only 49-State 50-State		\$15.	\$16.	\$17.	\$18.	S19.	
Engine Model	Engine Code	CA Only	49-5tate	50-State	Engine Displacement (cc)	Rated Power (kW)	Rated Speed (RPM)	Peak Torque (N-m)	Peak Torque Speed (RPM)
Engine model	Engine code				Engine Displacement (cc)	Nated Fower (KW)	nated speed (in in)	reak rorque (ivili)	reak forque speca (ki ki)
Rotax ACE 130 ECT	Rotax ACE 130 ECT			х	1630	100	7200	163	6000
Rotax ACE 170 ECT	Rotax ACE 170 ECT			x	1630	125.03	7950	165	6050
Rotax 1630 ACE - 100 ECT	Rotax 1630 ACE - 100 ECT			x	1630	73.55	6100	123	5000
Rotax 1630 ACE - 170 ECT	Rotax 1630 ACE - 170 ECT			x	1630	125.03	7500	166	6000
1010X 1050 ACE - 170 ECT	Notax 1030 ACE - 170 ECT			~	1030	125.05	7500	100	0000

For CARB Use Only Executive Order: U-W--008-0381 Attachment __1__of__1__