

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
2020	LM9XM04.62GW	Gasoline	4576	Ultra Low Emission ("Three Stars")
EQUIPMENT APPLICATION		ECS & SPECIAL FEATURES		ENGINE TYPE
Outboard		Sequential Multiport Fuel Injection, Heated Oxygen Sensor		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	15.50	*
CERTIFICATION LEVEL	14.24	71.9

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).

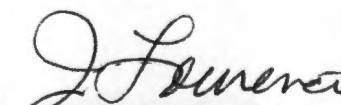
BE IT FURTHER RESOLVED: That the listed engine models are conditionally certified pending confirmatory testing to be completed by February 25, 2010. Failure to adequately demonstrate compliance by the specified date shall be cause for the Air Resources Board to revoke this Executive Order. Engines introduced into commerce under the revoked Executive Order shall be deemed uncertified, and the manufacturer may be subject to enforcement action.

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 at El Monte, California on this 25th day of November 2019.


 Allen Lyons, Chief
 Emissions Certification and Compliance Division

Model Year: 2020
 Manufacturer Name: Mercury Marine
 Engine Family: LM9XM04.62GW
 SI MARINE ENGINE SUPPLEMENT INFORMATION

Page: 3
 Issued: 08/22/2019
 Revised: _____
 E.O.#: V-W-001-0526

S10. MODEL SUMMARY (Use asterisk to identify worst-case engine model used for certification testing)

S11 Model Designation	S12 Engine Code	S13 Sales Codes (Check all appropriate codes)			S14 Eng. Disp. (cc)	S15 Rated Power (kW)	S16 Rated Speed (RPM)	S17 Peak Torque (N-m)	S18 Peak Torque Speed
		Calif. Only	49 State	50-State					
12500001A				X	4576	196	4750	413	4000
12500002A				X	4576	196	4750	413	4000
12500003A				X	4576	196	4750	413	4000
12500004A				X	4576	196	4750	413	4000
12500005A				X	4576	196	4750	413	4000
12500006A				X	4576	196	4750	413	4000
12500007A				X	4576	196	4750	413	4000
12500008A				X	4576	196	4750	413	4000
12500009A				X	4576	196	4750	413	4000
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12500011A				X	4576	196	4750	413	4000
12500012A				X	4576	196	4750	413	4000
12500013A				X	4576	196	4750	413	4000
12500014A				X	4576	196	4750	413	4000
12500015A				X	4576	196	4750	413	4000
12500016A				X	4576	196	4750	413	4000
12500083A				X	4576	196	4750	413	4000
12500084A				X	4576	196	4750	413	4000
12500085A				X	4576	196	4750	413	4000
12500086A				X	4576	196	4750	413	4000
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12500021A				X	4576	196	4750	413	4000
12500022A				X	4576	196	4750	413	4000
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12500087A				X	4576	196	4750	413	4000

Model Year: 2020
 Manufacturer Name: Mercury Marine
 Engine Family: LM9XM04.62GW
 SI MARINE ENGINE SUPPLEMENT INFORMATION

Page: 4
 Issued: 08/22/2019
 Revised: _____
 E.O.#: U-W-001-0526

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Model Year: 2020
 Manufacturer Name: Mercury Marine
 Engine Family: LM9XM04.62GW
 SI MARINE ENGINE SUPPLEMENT INFORMATION

Page: 5
 Issued: 08/22/2019
 Revised: _____
 E.O.#: U-W-001-0526

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Model Year: 2020
 Manufacturer Name: Mercury Marine
 Engine Family: LM9XM04.62GW
 SI MARINE ENGINE SUPPLEMENT INFORMATION

Page: 6
 Issued: 08/22/2019
 Revised: _____
 E.O.#: V-W-001-0526

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Model Year: 2020
 Manufacturer Name: Mercury Marine
 Engine Family: LM9XM04.62GW
 SI MARINE ENGINE SUPPLEMENT INFORMATION

Page: 7
 Issued: 08/22/2019
 Revised: _____
 E.O.#: U-W-001-0526

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Model Year: 2020
 Manufacturer Name: Mercury Marine
 Engine Family: LM9XM04.62GW
 SI MARINE ENGINE SUPPLEMENT INFORMATION

Page: 8
 Issued: 08/22/2019
 Revised:
 E.O.#: U-W-001-0526

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Model Year: 2020
 Manufacturer Name: Mercury Marine
 Engine Family: LM9XM04.62GW
 SI MARINE ENGINE SUPPLEMENT INFORMATION

Page: 9
 Issued: 08/22/2019
 Revised: _____
 E.O.#: V-W-001-0526

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Model Year: 2020
 Manufacturer Name: Mercury Marine
 Engine Family: LM9XM04.62GW
 SI MARINE ENGINE SUPPLEMENT INFORMATION

Page: 10
 Issued: 08/22/2019
 Revised:
 E.O.#: U-W-001-0526

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13000174A				X	4576	236	6250	422	5000
13000175A				X	4576	236	6250	422	5000
13000182A				X	4576	236	6250	422	5000
13000183A				X	4576	236	6250	422	5000
13000184A				X	4576	236	6250	422	5000
13000185A				X	4576	236	6250	422	5000
13000186A				X	4576	236	6250	422	5000
13000187A				X	4576	236	6250	422	5000
13000188A				X	4576	236	6250	422	5000
13000189A				X	4576	236	6250	422	5000
13000190A				X	4576	236	6250	422	5000
13000191A				X	4576	236	6250	422	5000
13000192A				X	4576	236	6250	422	5000
13000193A				X	4576	236	6250	422	5000
13000194A				X	4576	236	6250	422	5000
13000195A				X	4576	236	6250	422	5000

Model Year: 2020
 Manufacturer Name: Mercury Marine
 Engine Family: LM9XM04.62GW
 SI MARINE ENGINE SUPPLEMENT INFORMATION

Page: 11
 Issued: 08/22/2019
 Revised: _____
 E.O.#: U-W-001-0526

13000196A				X	4576	236	6250	422	5000
13000197A				X	4576	236	6250	422	5000
13000198A				X	4576	236	6250	422	5000
13000199A				X	4576	236	6250	422	5000
13000200A				X	4576	236	6250	422	5000
13000201A				X	4576	236	6250	422	5000
13000202A				X	4576	236	6250	422	5000
13000203A				X	4576	236	6250	422	5000
13000204A				X	4576	236	6250	422	5000
13000205A				X	4576	236	6250	422	5000
13000206A				X	4576	236	6250	422	5000
13000207A				X	4576	236	6250	422	5000
13000208A				X	4576	236	6250	422	5000
13000209A				X	4576	236	6250	422	5000
13000210A				X	4576	236	6250	422	5000
12500098A				X	4576	206	5500	423	4500
13000211A				X	4576	236	6250	422	5000
13000212A				X	4576	236	6250	422	5000
13000213A				X	4576	236	6250	422	5000
13000214A				X	4576	236	6250	422	5000
13000215A				X	4576	236	6250	422	5000
13000216A				X	4576	236	6250	422	5000
13000217A				X	4576	236	6250	422	5000
13000218A				X	4576	236	6250	422	5000
13000219A				X	4576	236	6250	422	5000
13000220A				X	4576	236	6250	422	5000

* worst-case equivalent engine model used for certification testing