California Environmental Protection Agency **Air Resources Board**	**MERCURY MARINE**	**EXECUTIVE ORDER U-W-001-0349** New Spark-Ignition Marine Engines

Pursuant to the authority vested in the 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-02-003;

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
2013	DM9XM03.22C0	Gasoline	3159	Very Low Emission ("Two Stars")

EQUIPMENT APPLICATION	ECS & SPECIAL FEATURES	ENGINE TYPE
Outboard	Direct Fuel Injection	2-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	35.00	*
CERTIFICATION LEVEL	19.61	103.0

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 at El Monte, California on this 17th day of January 2013.

J. Lourenco

Annette Hebert, Chief
Mobile Source Operations Division

SUPERSEDED

ATTACHMENT

Model Year: ____2013____
Manufacturer Name: ____Mercury Marine____
Engine Family: _____DM9XM03.22C0
SI MARINE ENGINE SUPPLEMENT INFORMATION

Page: _____3_____
Issued: ___11/21/2012_____
Revised: _____
E.O.#: U-W-001-0349

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
		Calif. Only	49 State	50-State					
193247FHH				X	3159	221	5800	403	4500
193247GHH				X	3159	221	5800	403	4500
193247BHH				X	3159	221	5800	403	4500
193247DHH				X	3159	221	5800	403	4500
193241BHH				X	3159	221	5800	403	4500
193241DHH				X	3159	221	5800	403	4500
193241PHH				X	3159	221	5800	403	4500
193241CHH				X	3159	221	5800	403	4500
193241QHH				X	3159	221	5800	403	4500
193241EHH				X	3159	221	5800	403	4500
19324B3HH				X	3159	221	5600	395	4500
19324B4HH				X	3159	221	5600	395	4500
19324C3HH				X	3159	221	5600	395	4500
19324C4HH				X	3159	221	5600	395	4500
19324BPHH				X	3159	221	5600	395	4500
19324BCHH				X	3159	221	5600	395	4500
19324CPHH				X	3159	221	5600	395	4500
19324BQHH				X	3159	221	5600	395	4500
19324BEHH				X	3159	221	5600	395	4500
19324CQHH				X	3159	221	5600	395	4500
19324CEHH				X	3159	221	5600	395	4500

SUPERSEDED