California Environmental Protection Agency AIR RESOURCES BOARD	PLEASURECRAFT MARINE ENGINE COMPANY	EXECUTIVE ORDER U-W-013-0005 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
2004	4PCMM05.7BOS	Gasoline	5700	Ultra Low Emission ("Three Stars")

EQUIPMENT APPLICATION	ECS & SPECIAL FEATURES	ENGINE TYPE
Inboard	Multiport Fuel Injection	4-Stroke

ENGINE MODELS (rated power in kilowatts, kw)	See Attachment

The following are the hydrocarbon plus oxides of nitrogen (HC+NOx) exhaust emission standard (Title 13, California Code of Regulations, (13 CCR) Section 2442(b)) and certification emission level in grams per kilowatt-hour (g/kw-hr) for this engine family. 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."

	STANDARD (g/kw-hr)	CERTIFICATION LEVEL (g/kw-hr)
HC+NOx	16.0	11.0

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), 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 at El Monte, California on this 8th day of January 2004.

Allen Lyons, Chief
Mobile Source Operations Division

Attachment

Model Year: 2004
Manufacturer Name: PLEASURECRAFT MARINE ENGINE CO.
Engine Family: 4PCMM05.7BOS
SI MARINE ENGINE SUPPLEMENTAL INFORMATION

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S11. MODEL SUMMARY (Use an asterisk (*) to identify worst-case engine model used for certification testing.)

S12. Engine Model	S13. Engine Code	S14. Sales Codes (Check ALL appropriate)			S15. Eng. Displ. (cc)	S16. Rated Power (kW)	S17. Rated Speed (RPM)	S18. Peak Torque (N-m)	S19. Peak Torque Speed (RPM)
		Calif. Only	49-State	50-State					
CLX-M	N/A	X	X	X	5700	246	5000	470	5000
CLA-M	N/A	X	X	X	5700	246	5000	470	5000
CXR-M	N/A	X	X	X	5700	246	5000	470	5000
CRA-M	N/A	X	X	X	5700	246	5000	470	5000
SXL-M	N/A	X	X	X	5700	246	5000	470	5000
SLA-M	N/A	X	X	X	5700	246	5000	470	5000
SXR-M	N/A	X	X	X	5700	246	5000	470	5000
SRA-M	N/A	X	X	X	5700	246	5000	470	5000
PXL-M	N/A	X	X	X	5700	246	5000	470	5000
PLA-M	N/A	X	X	X	5700	246	5000	470	5000
PXR-M	N/A	X	X	X	5700	246	5000	470	5000
PRA-M	N/A	X	X	X	5700	246	5000	470	5000
PLG-M	N/A	X	X	X	5700	246	5000	470	5000
PXL-M	N/A	X	X	X	5700	246	5000	470	5000
CLG-M	N/A	X	X	X	5700	246	5000	470	5000
CXLG-M	N/A	X	X	X	5700	246	5000	470	5000