

Environmental Protection Agency

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the definition of outboard engine, inboard engine or sterndrive engine, except that the Administrator in his or her discretion may classify a PWC as an inboard or sterndrive engine if it is comparable in technology and emissions to an inboard or sterndrive engine.

Presentation of credentials means the display of the document designating a person as an EPA enforcement officer or EPA authorized representative.

Scheduled maintenance means any adjustment, repair, removal, disassembly, cleaning, or replacement of components or systems required by the manufacturer to be performed on a periodic basis to prevent part failure or marine vessel or engine malfunction, or those actions anticipated as necessary to correct an overt indication of malfunction or failure for which periodic maintenance is not appropriate.

Sterndrive engine means a four stroke marine SI engine that is designed such that the drive unit is external to the hull of the marine vessel, while the engine is internal to the hull of the marine vessel.

Test engine means the engine or group of engines that a manufacturer uses during certification, production line and in-use testing to determine compliance with emission standards.

Ultimate purchaser means, with respect to any new marine SI engine the first person who in good faith purchases such new marine SI engine for purposes other than resale.

United States means the States, the District of Columbia, the Commonwealth of Puerto Rico, the Commonwealth of the Northern Mariana Islands, Guam, American Samoa, the U.S. Virgin Islands, and the Trust Territory of the Pacific Islands.

Used solely for competition means exhibiting features that are not easily removed and that would render its use other than in competition unsafe, impractical, or highly unlikely.

Warranty period means the period of time the engine or part is covered by the warranty provisions.

[61 FR 52102, Oct. 4, 1996, as amended at 67 FR 68340, Nov. 8, 2002]

§91.4 Acronyms and abbreviations.

The following acronyms and abbreviations apply to this part 91.

AECD—Auxiliary emission control device
ASME—American Society of Mechanical Engineers
ASTM—American Society for Testing and Materials
CAA—Clean Air Act
CAAA—Clean Air Act Amendments of 1990
CLD—chemiluminescent detector
CO—Carbon monoxide
CO₂—Carbon dioxide
EPA—Environmental Protection Agency
FEL—Family Emission Limit
g/kw-hr—grams per kilowatt hour
HC—hydrocarbons
HCLD—heated chemiluminescent detector
HFID—heated flame ionization detector
ICI—Independent Commercial Importer
MY—Model Year
NDIR—non-dispersive infrared analyzer
NIST—National Institute for Standards and Testing
NO—Nitric oxide
NO₂—Nitrogen dioxide
NO_x—Oxides of nitrogen
OB—Outboard engine
O₂—Oxygen
OEM—Original engine manufacturer
PMD—paramagnetic detector
PWC—personal watercraft
RPM—revolutions per minute
SAE—Society of Automotive Engineers
SEA—Selective Enforcement Auditing
SI—Spark-ignition
U.S.C.—United States Code
VOC—Volatile organic compounds
ZROD—zirconium dioxide sensor

§91.5 Table and figure numbering; position.

(a) Tables for each subpart appear in an appendix at the end of the subpart. Tables are numbered consecutively by order of appearance in the appendix. The table title will indicate the topic.

(b) Figures for each subpart appear in an appendix at the end of the subpart. Figures are numbered consecutively by order of appearance in the appendix. The figure title will indicate the topic.

§91.6 Reference materials.

(a) *Incorporation by reference.* The documents in paragraph (b) of this section have been incorporated by reference. The incorporation by reference was approved by the Director of the Federal Register in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Copies may be inspected at U.S. EPA, OAR,

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Air and Radiation Docket and Information Center, 401 M St., SW., Washington, DC 20460, or at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to: http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

(b) The following paragraphs and tables set forth the material that has been incorporated by reference in this part.

(1) *ASTM material.* The following table sets forth material from the American Society for Testing and Materials which has been incorporated by reference. The first column lists the number and name of the material. The second column lists the section(s) of this part, other than §91.6, in which the matter is referenced. The second column is presented for information only and may not be all inclusive. Copies of these materials may be obtained from American Society for Testing and Materials, 1916 Race St., Philadelphia, PA 19103.

Document number and name	40 CFR part 91 reference
ASTM D86-93: Standard Test Method for Distillation of Petroleum Products	Appendix A to Subpart D.
ASTM D323-90: Standard Test Method for Vapor Pressure of Petroleum Products (Reid Method).	Appendix A to Subpart D.
ASTM D1319-93: Standard Test Method for Hydrocarbon Types in Liquid Petroleum Products by Fluorescent Indicator Adsorption.	Appendix A to Subpart D.
ASTM D2622-92: Standard Test Method for Sulfur in Petroleum Products by X-Ray Spectrometry.	Appendix A to Subpart D.
ASTM D2699-92: Standard Test Method for Knock Characteristics of Motor Fuels by the Research Method.	Appendix A to Subpart D.
ASTM D2700-92: Standard Test Method for Knock Characteristics of Motor and Aviation Fuels by the Motor Method.	Appendix A to Subpart D.
ASTM D3231-89: Standard Test Method for Phosphorus in Gasoline	Appendix A to Subpart D.
ASTM D3606-92: Standard Test Method for Determination of Benzene and Toluene in Finished Motor and Aviation Gasoline by Gas Chromatography.	Appendix A to Subpart D.
ASTM E29-93a: Standard Practice for Using Significant Digits in Test Data to Determine Conformance with Specifications.	91.207; 91.120; 91.509; 91.1307.

(2) *SAE material.* The following table sets forth material from the Society of Automotive Engineers which has been incorporated by reference. The first column lists the number and name of the material. The second column lists the section(s) of this part, other than §91.7, in which the matter is ref-

erenced. The second column is presented for information only and may not be all inclusive. Copies of these materials may be obtained from Society of Automotive Engineers International, 400 Commonwealth Dr., Warrendale, PA 15096-0001.

Document number and name	40 CFR part 91 reference
SAE J1228/ISO 8665 November 1991 Small Craft-Marine Propulsion Engine and Systems-Power Measurements and Declarations.	91.104, 91.115; 91.118; 91.207; 91.1307.
SAE J1930 June 1993 Electrical/Electronic Systems Diagnostic Terms, Definitions, Abbreviations and Acronyms.	91.113.
SAE Paper 770141 Optimization of a Flame Ionization Detector for Determination of Hydrocarbon in Diluted Automotive Exhausts, Glenn D. Reschke, 1977.	91.316