



Setting Standards for Safer Boating

ABYC H-33 July, 2009

Hull Division Standard

**Fuel and Ventilation Project Technical
Committee**

The ABYC Standards and Technical Information Reports for Small Craft are the product of a consensus of representatives of government, industry and public sectors. It is intended solely as a guide to aid manufacturers and the marine community in the design, construction, equipage and maintenance of small craft.

ABYC reviews each standard at least every five years at which time it may be reaffirmed, revised, or withdrawn. ABYC welcomes any written comments on the standards and technical information reports.

ABYC H-33

DIESEL FUEL SYSTEMS



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FUEL & VENTILATION SYSTEMS PROJECT TECHNICAL COMMITTEE

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This list represents the membership at the time the Committee was balloted.

NOTE: Membership on a committee shall not in and of itself constitute an endorsement of ABYC or any document developed by the committee on which the member serves.

This standard was developed under procedures accredited as meeting the criteria for American National Standards. The Project Technical Committee that approved the standard was balanced to ensure that individuals from competent and concerned interests have had an opportunity to participate.

This standard, which is the result of extended and careful consideration of available knowledge and experience on the subject, is intended to provide minimum performance requirements.

ABYC's Project Technical Committee meetings are open to the public. All contact regarding standards activity, interpretations, or meeting attendance should be directed to the ABYC Technical Department at comments@abycinc.org.

ABYC and its committees do not "approve", "certify", or "endorse" any item, construction, or proprietary device.

REQUEST FOR INTERPRETATIONS

Upon written request the Fuel & Ventilation Systems PTC will render an interpretation of any requirement of the standard. The request for interpretation should be clear and unambiguous. Requests should be presented to the PTC in a manner in which they may be answered in a yes or no fashion.

The committee reserves the right to reconsider any interpretation when or if additional information which might affect it becomes available to the PTC. Persons aggrieved by an interpretation may appeal to the Committee for reinterpretation.

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H-33 DIESEL FUEL SYSTEMS

Table of Contents

33.1	PURPOSE.....	1
33.2	SCOPE.....	1
33.3	REFERENCED ORGANIZATIONS.....	1
33.4	DEFINITIONS.....	2
33.5	REQUIREMENTS – IN GENERAL	2
33.6	FLEXIBLE FUEL HOSE	3
33.7	FUEL LINE SUPPORTS	3
33.9	FUEL FILTERS, STRAINERS, AND WATER SEPARATORS	3
33.10	INSTALLATION - FUEL TANK.....	4
33.11	CONNECTIONS - FUEL HOSE	6
33.12	FUEL FILL SYSTEM	7
33.13	TANK VENT SYSTEMS.....	7
33.14	FUEL DISTRIBUTION, RETURN AND TRANSFER SYSTEMS	8
33.15	FUEL SYSTEM GROUNDING.....	9
33.16	FUEL SYSTEM LABELING.....	9
33.17	INSTALLATION TESTS	10
33.18	DIESEL FUEL TANKS	10
33.19	DIESEL OUTBOARD POWERED BOATS	12
33.20	NON-INTEGRAL DIESEL FUEL TANK TESTING FOR FIRE RESISTANCE.....	13
33.21	NON-INTEGRAL DIESEL FUEL TANK TESTING FOR MECHANICAL STRENGTH	14
	FIGURE 1 - ENCLOSURE - BELOW DECK INSTALLATION	16
	FIGURE 2 - ENCLOSURE - ABOVE DECK INSTALLATION.....	16
	FIGURE 3 – FUEL FILL VENT SEPERATION.....	17
	TABLE I - TYPES OF HOSE	17
	TABLE II - MATING OF HOSE WITH SPUDS	17
	TABLE III - MINIMUM NOMINAL HOSE CLAMP BAND WIDTH.....	17
	TABLE IV - METALLIC FUEL TANK MATERIAL AND FABRICATION REQUIREMENTS	18
	TABLE V - MINIMUM THREAD ENGAGEMENT	18
	GLOBAL COMPLIANCE APPENDIX.....	19
	Origin and Development of ABYC H-33, Diesel Fuel Systems.....	21

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H-33 DIESEL FUEL SYSTEMS

Based on ABYC's assessment of existing technology, and the problems associated with achieving the goals of this standard, ABYC recommends compliance with this standard for all boats, associated equipment, and systems manufactured or installed after July 31, 2009.

33.1 PURPOSE

These standards are guides for the design, choice of materials, construction, installation, repair, and maintenance of permanently installed diesel fuel systems.

33.2 SCOPE

These standards apply to all parts of permanently installed diesel fuel systems from the fuel fill opening to the point of connection to the propulsion engine and/or to any auxiliary equipment on all boats with diesel engines.

33.3 REFERENCES

33.3.1 The following publications form a part of this standard. Unless otherwise noted the latest version of referenced standards shall apply.

ABYC - American Boat & Yacht Council, Inc., 613 Third St Suite 10, Annapolis, MD 21403. Phone: (410) 990-4460. Fax: (410) 990-4466. Website: www.abycinc.org.

[ABYC E-11, AC and DC Electrical Systems on Boats](#)
[ABYC T-5, Safety Signs and Labels](#)

ASTM International – American Society for Testing and Materials International, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959. Phone: (610) 832-9585. Fax: (610) 832-955. Website: www.astm.org.

ASTM D 471, *Standard Test Method for Rubber Property—Effect of Liquids*
ASTM D 1622, *Apparent Density of Rigid Cellular Plastics*
ASTM B 117, *Standard Practice for Operating Salt Spray (Fog) Apparatus*
ASTM B 633, *Standard Specification for Electrodeposited Coatings of Zinc on Iron and Steel*

AWS – American Welding Society. 550 N.W. LeJeune Road, Miami, Florida 33126 Phone: (800) 443-9353 Website: www.aws.org

ISO – International Organization for Standardization, ISO Central Secretariat, 1 rue de Verambe, 1211 Geneva Switzerland, tel +41 22 749 0111, fax +41 22 734 0179, Internet central@isocs.iso.ch. Contact ABYC for availability of specific documents.

ISO 10088, Small craft - Permanently installed fuel systems and fixed fuel tanks
ISO 21487, Small craft - Permanently installed petrol and diesel fuel tanks

Military Specification (MIL SPEC) - A specification developed by the US Armed Forces. The referenced specifications may be obtained from the Naval Publications and Forms Center, 5801 Tabor Avenue, Philadelphia, PA 19120 Website: www.dodssp.daps.htm.

Mil P-21929 B, Plastic Material Cellular Polyurethane, Foam in Place, Rigid-1970

SAE - Society of Automotive Engineers - 400 Commonwealth Drive, Warrendale, PA 15096-0001. Phone: (724) 776-4841. Fax: (724) 776-5760. Website: www.sae.org.

SAE J-1527, Marine Fuel Hose

UL – Underwriters Laboratories, Inc., 12 Laboratory Drive, PO Box 13995, Research Triangle Park, NC 27709-3995. Phone: (919) 549-1400. Fax: (919) 547-6000. Website: www.ul.com.

ANS/UL 1105, Marine Use Filters and Separators