Meetings

ASTM Committee D15 meets twice a year, usually in May and October, with approximately 65 members attending two days of technical meetings.

Membership in ASTM International and Committee D15

MEMBERSHIP in ASTM International is open to all who have an interest in fields covered within the Society. Membership and participation in the activities of Committee D15 provide the opportunity to:

- Network with industry professionals worldwide;
- Have direct input into the development of new and revised standards;
- Remain current on new and emerging technologies; and
- Benefit from reduced fees for attendance at ASTM symposia and technical workshops.

ADDITIONAL BENEFITS of technical committee membership include access to the "Members" section of the ASTM Web site, discounts on ASTM publications, a free subscription to ASTM's magazine *Standardization News* and monthly e-newsletter, and a free volume of your choice of the *Annual Book of ASTM Standards*.

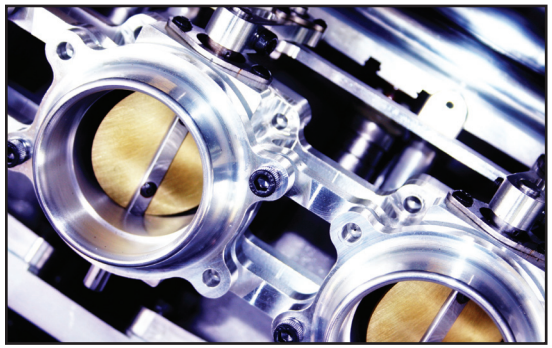
Individuals with knowledge and interest in the work of Committee D15 are welcome to participate. To join, please visit the Membership section of the ASTM Web site (www.astm.org/JOIN). The annual fee to be an informational or participating member of ASTM International is $75. Annual membership provides access to multiple technical committees at no additional cost.

About ASTM International

ASTM International is one of the largest standards development and delivery systems in the world. ASTM standards are voluntary consensus documents that guide research, design, manufacturing, marketing and trade. For more than a century, ASTM has met the technical needs of commerce by providing standards that are accepted and used around the world.

ASTM's market relevance is evident in more than 100 industrial and management sectors, ranging from construction materials and environmental assessment to medical devices and consumer products. More than 130 nations are represented in ASTM International.

ASTM standards are developed by technical experts who are the members of ASTM International. Membership is open to all who have an interest in the standards affecting business and industry. You too can join the 30,000 individuals and institutions who set the standard for the rest of the world in ASTM International.



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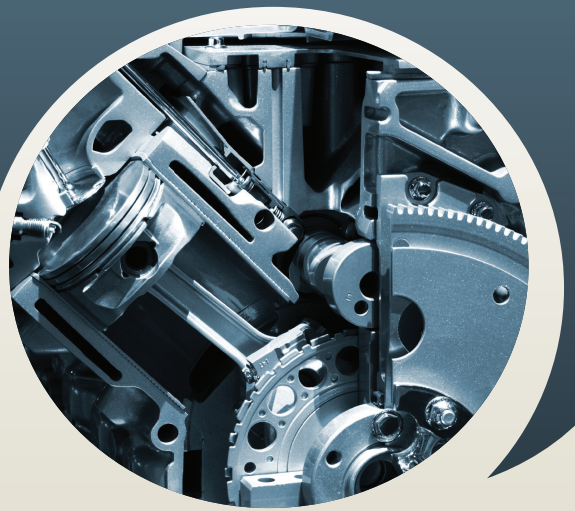
ASTM International

Committee D15 on Engine Coolants



ASTM International Committee D15 develops international standards that play an important role in the engine coolants industry and address a wide range of technical challenges including cavitation, corrosion and formulations of coolants for light and heavy duty service. D15 standards cover topics such as test methods for reserve alkalinity of engine coolants and antirusts and the testing of engine coolants in car, light truck service and heavy duty engines.

Formed in 1947, approximately 130 technical experts from government, industry and research participate on ASTM Committee D15. The members of D15 come from 13 different countries and represent companies such as Valvoline, Honeywell, ExxonMobil, General Motors Corp., Chrysler LLC and Chevron Corp., as well as government agencies including the Florida and Georgia Departments of Agriculture.

www.astm.org

Committee Structure

D15 Subcommittees

D15.01 Reference Test Materials
D15.03 Physical Properties
D15.04 Chemical Properties
D15.06 Glassware Performance Tests
D15.07 Specifications
D15.09 Simulated Service Tests
D15.10 Dynamometer and Road Tests
D15.11 Heavy Duty Coolants
D15.15 Recycled Engine Coolant
D15.21 Long Life Engine Coolant
D15.90 Executive
D15.91 Editorial
D15.92 Terminology
D15.93 Research and Long Range Planning
D15.94 Proficiency Testing
D15.95 Meetings
D15.96 Awards
D15.97 World Coolant Standards

ASTM Contact

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www.astm.org/COMMIT/D15.htm

Committee D15 Standards

Committee D15 has developed 40 engine coolant standards that are published in Volume 15.05 of the *Annual Book of ASTM Standards*, with more standards currently under development. Some key D15 standards are listed below.

D1121 Standard Test Method for Reserve Alkalinity of Engine Coolants and Antirusts

Scope - This test method covers the determinations of the reserve alkalinity of new, unused engine coolants and liquid antirusts as received; used or unused aqueous dilutions of the concentrated materials; and aqueous dilutions of solid antirusts.

D1384 Standard Test Method for Corrosion Test for Engine Coolants in Glassware

Scope - This test method will generally distinguish between coolants that are definitely deleterious from the corrosion standpoint and those that are suitable for further evaluation.

D2847 Standard Practice for Testing Engine Coolants in Car and Light Truck Service

Scope - This practice covers the procedure for evaluating corrosion protection and performance of an engine coolant in passenger car and light truck service.

D3306 Standard Specification for Glycol Base Engine Coolant for Automobile and Light-Duty Service

Scope - This specification covers the requirements for ethylene glycol or propylene glycol base engine coolants used in automobiles or other light duty service cooling systems.

D3585 Standard Specification for ASTM Reference Fluid for Coolants Tests

Scope - This specification covers a reference ethylene glycol-base test fluid to be used in providing base line data for ASTM coolant test procedures.

D7304 Standard Test Method for Determination of Denatonium Ion in Engine Coolant by HPLC

Scope - This test method covers the chemical analysis of engine coolant for denatonium ion by high-performance liquid chromatography (HPLC). Acceptable levels of denatonium ion currently vary in industry and state blending specifications.

D7388 Standard Specification for Engine Coolant Grade 1,3-Propanediol (PDO)

Scope - This specification covers engine coolant grade 1,3-propanediol (PDO). Engine coolant grade 1,3-propanediol shall conform to the chemical and physical property requirements specified.

D7437 Standard Test Method for Temperature and Hard Water Stability of Engine Coolants

Scope - This test method covers a simple glassware-type procedure for evaluating the effects of temperature and hard water on the stability of engine coolants at elevated temperatures under controlled laboratory conditions.

Standards are available for purchase in hard copy, CD and virtual volume format online at **www.astm.org** or by contacting ASTM Customer Service at **610-832-9585**. The scopes of all ASTM standards can be viewed on the ASTM Web site.

ASTM STP 1491, Engine Coolant Technologies: 5th Volume

This 5th volume features 14 peer-reviewed papers that present the latest research on the formulation of modern engine coolants. Topics covered include international coolant development; field testing of coolant additives; engine coolant recycling; engine component and coolant additive compatibility; alternate coolant base technology; extended life oxidation and thermal stability; and new testing methods of cavitation, erosion and localized corrosion.