

Global Cooperation in Biofuels Specifications

Session 5

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ASTM International
Committee D02**

Presentation

- Provide brief overview of ASTM Committee D02
- Focus on Global Participation and Cooperation
- ASTM's work to advance Global Compatibility of Biofuels Specifications

ASTM International

- ASTM International
 - 110 year-old international not-for-profit organization that develops consensus standards – including test methods
 - Participation open to all - 30,000 technical experts from across the globe

- ASTM's objectives
 - Promote public health and safety, and the overall quality of life
 - Contribute to the reliability of materials, products, systems and services
 - Facilitate national, regional, and international commerce

- ASTM Standards
 - Known for high technical quality
 - Over 12,000 ASTM standards for more than 100 industry sectors
 - 4,000 ASTM standards used in regulation or adopted as national standards around the world in at least 70 countries

ASTM is International

- ASTM embraces the principles of international standards identified in the World Trade Organization's Technical Barriers to Trade Agreement, G/TBT/1/REV 8 Section IX:
 - Transparency, Relevance, Openness, Coherency, Impartiality and consensus, Consideration of the concerns of developing countries

ASTM Committee D02

- Largest ASTM committees, organized in 1904
- Includes over 2,200 members from 69 countries
- Developer of over 725 petroleum standards that have helped to provide heat for homes, fuel for automobiles and airplanes, and lubricants for machinery
- Sponsor of numerous technical publications, laboratory quality assurance programs and technical and professional training courses, workshops, and symposia.

Who is ASTM D02?

Argentina
Australia
Austria
Bahamas
Bahrain
Belgium
Bolivia
Botswana
Brazil
Canada
China
Columbia
Costa Rica
Croatia
Denmark
Ecuador
Egypt

El Salvador
Estonia
Finland
France
Germany
Ghana
India
Indonesia
Ireland
Israel
Italy
Jamaica
Japan
Jordan
Korea
Kuwait
Mexico

Mongolia
Netherlands
Netherlands Ant
New Zealand
Nigeria
Norway
Oman
Pakistan
Panama
Philippines
Paraguay
Peru
Philippines
Poland
Portugal
Qatar
Russia

Saudi Arabia
Singapore
South Africa
Spain
Sri Lanka
Sudan
Sweden
Switzerland
Taiwan
Thailand
Trinidad & Tobago
Turkey
UAE
UK
United States
Uruguay
Venezuela
Vietnam

ASTM Biodiesel Specs

Specifications developed under D02.E

- > Over 520 members from 28 countries
- > Refiners, biodiesel producers, independent test labs, government, equipment vendors, and others.

Test methods addressed within D02.E and other “numbered” properties / test methods subcommittees of D02

ASTM D6751

- Subject of the Tripartite Review
- As defined in D6751, biodiesel is a "fuel comprised of mono-alkyl esters of long chain fatty acids derived from vegetable oils or animal fats, designated B100"
- Tripartite: Performance-based and feedstock neutral
- Numerous countries around the world already reference ASTM D6751 in regulation or use it as a basis for their national standard, including: Costa Rica, El Salvador, Ecuador, Guatemala, Honduras, India, Indonesia, Malaysia, Nicaragua, Peru, United Kingdom, United States, Uruguay, Vietnam and Zambia, Zimbabwe.

ASTM Biodiesel Work

- ASTM **D975-08a**, **Specification for Diesel Fuel Oils**, includes allowance for up to 5 percent biodiesel (B5);
- ASTM **D6751-08**, **Specification for Biodiesel Fuel Blend Stock (B100) for Middle Distillate Fuels**, includes a requirement for cold soak filterability;
- ASTM **D7467-08**, **Specification for Diesel Fuel Oil, Biodiesel Blend (B6 to 20)**, covers blends between 6 (B6) and 20 (B20) percent biodiesel for on- and off-road diesel.
- ASTM **D396-08b**, **Specification for Fuel Oils**, includes allowance for up to 5 percent biodiesel

Category B Items

- ASTM has shared the Tri-Partite White Paper with the relevant ASTM committees
- ASTM has prioritized all standards requests for improvements and modifications of ASTM methods and standards, including those potential items from Category B
- Work is occurring as part of normal business for those items deemed high priority

Category B Items

- Tri-Partite White Paper has accomplished its goals
- Work will continue within ASTM, CEN, ABNT as part of normal business for category B items
- No additional efforts within the Tri-Partite structure are envisioned
- ASTM wishes to thank the ASTM experts, as well as those of CEN and ABNT, for their time and expertise!!!

Thank you!
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