

**Update –  
ASTM B5 Specifications and  
Other Biomass Specifications**

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**Chairman**

**ASTM Subcommittee E**

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# ASTM

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- **Committee D2 On Petroleum Products and Lubricants**
- **Subcommittee D2 on Burner, Diesel, Non-Aviation Gas Turbine, and Marine Fuels**



# ASTM Subcommittee E

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- **Subcommittee E on Burner, Diesel, Non-Aviation Gas Turbine, and Marine Fuels**
- **Over 437 Members From 27 Countries**



# **D02.E Subcommittee Standards**

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- **D6751, Standard Specification for Biodiesel Fuel Blend Stock (B100) for Middle Distillate Fuels (Blend Component)**
- **D975, Standard Specification for Diesel Fuel Oils**
- **D396, Standard Specification for Fuel Oils (Burner Fuel)**



# **D02.E Subcommittee Standards**

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- **D2880, Standard Specification for Gas Turbine Fuel Oils (Non-Aviation)**
  - Aviation Fuel is Under Subcommittee J
- **D3699, Standard Specification for Kerosine**
- **D6985, Standard Specification for Middle Distillate Fuel Oil—Military Marine Applications**



# Proposed B5 Specifications

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- **B5 in D975, “Standard Specification for Diesel Fuel Oils” (Diesel Engine Fuel)**
- **B5 in D396, “Standard Specification for Fuel Oils” (Heating Fuel)**
- **B100 Must Meet D6751 Prior to Blending**
- **Each Allows Up To 5% Biodiesel With No Change To Respective Table 1’s**



# Low Temperature Filterability

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- **Following The Negatives On The D975/B5 Ballot, A Task Group Was Formed To Study The Issue Of Precipitates At Temperatures Above The Cloud Point Of The B100**
- **The B5 Ballots Will Not Move to the D02 Main Committee Level Until the Task Group Has Presented Recommendations to Subcommittee E**



# B5 Specifications Status

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- **Both Proposed B5 Specifications Have Passed At The Subcommittee Ballot Level; Committee Level Ballot Is Next**
- **Committee Level Ballot Is Pending Further Results On Cold-Soak Filtration and CRC Vehicle Study**
- **Results and Ballot Expected This Spring**



# Biodiesel Blends

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- **Test Methods Currently Used in D 975 or D 396 Must Now Be Re-approved (ILS) for Use With Blends**
- **In Some Cases, New Test Methods Are Required to Measure Biodiesel-related Properties in the Blend**



# Other Renewable Fuel Activity

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- **New Specification for Ethanol-solubilized Automotive Diesel Fuel Oils Being Balloted**
  - **For Use in Conventional Diesel Engines**
- **New Specification for Two Grades of Pyrolysis Liquid Biofuel Made From Biomass Being Balloted**
  - **For Use in Pressure Atomizing Type Industrial Burners Only**
  - **Not for Use Residential Heaters, Small Commercial Boilers, or Combustion Engines**



# Other Renewable Diesel Fuels

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- **A Task Force Has Been Set Up To Discuss How Subcommittee E Will Deal With Any Future Requests For Work On Other Renewable Diesel Fuels**



# Thank You

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