

## G. Uniform Engine Fuels and Automotive Lubricants Regulation

as adopted by  
The National Conference on Weights and Measures\*

### CORRECTION NOTED – July 8, 2015

**2.7. Denatured Fuel Ethanol.** – Intended for blending with gasoline shall meet the latest version of ASTM D4806, “Standard Specification for Denatured Fuel Ethanol for Blending with Gasolines for Use as Automotive Spark-Ignition Engine Fuel.”

(Amended 2014)

**2.8. Liquefied Petroleum (LP) Gases.** – Shall meet the latest version ASTM D1835, “Standard Specification for Liquefied Petroleum (LP) Gases.”

*NOTE: Also reference Gas Processors Association 2140, Liquefied Petroleum Gas Specification and Test Methods.*

**2.9. Compressed Natural Gas (CNG).** – Shall meet the latest version of SAE J1616, “Recommended Practice for Compressed Natural Gas Vehicle Fuel.”

**2.10. Ethanol Flex Fuel.** – Ethanol flex fuel is covered by one ~~or~~ of two ASTM standards based on the ethanol concentration of blend:

- (a) Ethanol flex fuel containing 51 to 83 volume percent ethanol shall meet the latest version of ASTM ~~D5789~~ **D5798**, “Standard Specifications for Ethanol Fuel Blends for Flexible Fuel Automotive Spark-Ignition Engines”; and
- (b) Ethanol flex fuel containing 16 to 50 volume percent ethanol shall be blended, stored, and conveyed for consumption in accordance with the latest version of ASTM D7794, “Standard Practice for Blending Mid-Level Ethanol Fuel Blends for Flexible Fuel Vehicles with Automotive Spark-Ignition Engines.”

(Added 1997) (Amended 2014)

**2.11. M85 Fuel Methanol.** – Shall meet the latest version of ASTM D5797, “Standard Specification for Fuel Methanol M70-M85 for Automotive Spark Ignition Engines.”

(Added 1997)

**2.12. Engine (Motor) Oil.** – Shall not be sold or distributed for use unless the product conforms to the following specifications:

- (a) performance claims listed on the label shall be evaluated against the latest version of SAE J183, “Engine Oil Performance and Engine Service Classification,” API 1509 “Engine Oil Licensing and Certification System,” European Automobile Manufacturers’ Association (ACEA), “European Oil Sequences,” or other “Vehicle or Engine Manufacturer Standards” as applicable; and
- (b) the product shall meet its labeled viscosity grade specification as specified in the latest version of SAE J300, “Engine Oil Viscosity Classification.”

(Added 2004) (Amended 2014)

**2.13. Products for Use in Lubricating Manual Transmissions, Gears, or Axles.** – Shall not be sold or distributed for use in lubricating manual transmissions, gears, or axles unless the product conforms to the following specifications: