

Gasoline Specifications

~~108 All gasoline blends including gasohol and alcohol blended fuels, compounded, imported, distributed, sold, or used in this state shall meet all specifications and standards set forth in ASTM D 4814 replaced ASTM D439 or as set forth in the most current book of ASTM Standards, with the following exception in classification and designation of volatility.~~

~~1. Classification:~~

- ~~a. Any unleaded gasoline showing an R + M/2 Octane rating index of 91 or greater shall be designated a "premium grade gasoline". The minimum research octane number shall be 94.~~
- ~~b. Any unleaded gasoline showing an R + M/2 Octane rating index of not less than 89 shall be designated a "mid-grade unleaded gasoline". The minimum research octane number shall be 92.~~
- ~~c. Any unleaded gasoline showing an R + M/2 Octane rating index of not less than 87 shall be designated a "regular grade gasoline". The minimum research octane number shall be 90.~~
- ~~d. All retail pumps or delivery devices shall be labeled with the appropriate R + M/2 Octane rating index number.~~

~~2. Volatility~~

- ~~a. ASTM D 4814 volatility standards for gasoline are hereby adopted as the volatility standards for gasoline offered for sale, exposed for sale or sold at wholesale or retail in the State of Mississippi, provided, however volatility standards adopted by the U. S. Environmental Protection Agency E.P.A. under terms of the Clean Air Act shall preempt such standards during the applicable period.~~
- ~~b. Volatility standards for unleaded gasoline blends containing up to 10% ethanol shall not be more restrictive than those adopted under the rules, regulations, and Clean Air Act waivers of the U. W. Environmental Protection Agency.~~

~~(Amended February 12, 2001.)~~

Standard Specifications

108.01 The Commissioner and State Chemist hereby adopt by reference, including subsequent amendments and editions, ASTM D 4814, "Standard Specification for Automotive Spark-Ignition Engine Fuel" as standard specification for gasoline with the following modifications:

1. Applications for temporary exceptions to vapor pressure and vapor/liquid ratio specifications as provided in this Subparagraph may be made to the Commissioner and State Chemist. Said applications shall contain evidence that outlets marketing gasoline in Mississippi cannot be supplied from bulk terminals furnishing specified volatility level gasoline or that customary sources of supply have been temporarily interrupted by product shortage and alternate sources furnishing specified volatility level gasoline are not available. Such temporary exceptions granted shall apply only until the next

meeting of the Commissioner and State Chemist at which time the Commissioner and State Chemist shall establish the duration of the exception;

2. Vapor pressure and vapor/liquid ratio seasonal specifications as listed in this Subparagraph may be extended for a maximum period of 15 days to allow for the disbursement of old stocks. However, new stocks of a higher volatility classification shall not be offered for retail sale prior to the effective date of the higher volatility classification.

(Amended 2008)

108.02 The Commissioner and State Chemist hereby adopt by reference, including subsequent amendments and editions, ASTM D 4814, "Standard Specification for Automotive Spark-Ignition Engine Fuel" as standard specification for alcohol blends with the following modifications:

1. A vapor pressure tolerance not exceeding one pound per square inch for ethanol blends of up to 10 percent;
2. Vapor pressure seasonal specifications as listed in this Subparagraph may be extended for a maximum period of 15 days to allow for the disbursement of old stocks. However, new stocks of a higher volatility classification shall not be offered for retail sale prior to the effective date of the higher volatility classification;
3. Applications for temporary exceptions to vapor pressure specifications as provided in this Subparagraph may be made to the Commissioner and State Chemist. Said applications shall contain evidence satisfactory to the Commissioner and State Chemist that outlets marketing gasoline in Mississippi cannot feasibly be supplied from bulk terminals furnishing specified volatility level gasoline or that customary sources of supply have been temporarily interrupted by product shortage and alternate sources furnishing specified volatility level gasoline are not available. Such temporary exceptions granted shall apply only until the next meeting of the Commissioner and State Chemist at which time the Commissioner and State Chemist shall establish the duration of the exception;
4. The minimum temperature at 50 percent evaporated shall be 150 degrees F (66 degrees C) as determined by ASTM Test Method D 86 for ethanol blends of up to 10 percent;
5. The vapor/liquid ratio specification shall be waived for ethanol blends of up to 10 percent;
6. All blends shall be blended according to the EPA "Substantially Similar" rule or an EPA waiver for unleaded fuel;
7. Water tolerance shall be such that no phase separation occurs when subjected to a temperature equal to the temperatures specified in the table for "Maximum Temperature for Phase Separation, °C," ASTM D 4814.

(Amended 2008.)

108.03 The Commissioner and State Chemist hereby adopt by reference, including subsequent amendments and editions, ASTM D 5798, "Standard Specification for Fuel Ethanol (Ed75-Ed85) for Automotive Spark-Ignition Engines" as standard specification for E85 fuel ethanol.

108.04 The Commissioner and State Chemist hereby adopt by reference, including subsequent amendments and editions, NIST Handbook 130, "Uniform Engine Fuels, Petroleum Products and Automotive Lubricants Regulation," section 2.2.1 "Premium Diesel Fuel" as the standard specification of premium diesel fuels in addition to ASTM D 975. Copies of this document may be obtained at no cost from the NIST Web site - <http://ts.nist.gov/WeightsandMeasures/>.

108.05 ASTM documents adopted by reference herein may be obtained from ASTM International, 100 Barr Harbor Drive, PO Box C700, West Conshohocken, PA 19428-2959 or their Web site - www.astm.org.

Gasoline/Alcohol Blends

~~109.01 Gasoline/alcohol blends shall comply with all applicable terms and conditions of the Mississippi Petroleum Products Inspection law and all rules and regulations pertaining to gasoline adopted thereunder with the following modifications:~~

- ~~1. A vapor pressure tolerance not exceeding one pound per square inch may be allowed January through December.~~
- ~~2. The fifty percent 50% evaporated distillation temperature shall not be less than 158°F as determined by ASTM D 86.~~

~~109.02 Any person located in Mississippi, except the holder of a Refiner or Processor's Permit, who blends or mixes alcohol blended fuel for sale, delivery, exchange or use in Mississippi shall obtain from the Commissioner and State Chemist a permit authorizing him to engage in business as a producer of alcohol blended fuel. Each producer of alcohol blended fuel shall have the necessary equipment to insure a complete mixture. The finished product shall meet all of this State's standards and specifications and shall not be transferred, sold, exchanged, delivered, used, or disposed of by any other means until approved by the Commissioner and the State Chemist.~~

~~109.03 All alcohol blended fuel transported or imported into State of Mississippi shall comply with all specifications and standards adopted by this state for such use.~~

~~109.04 Blends containing up to ten percent 10% ethanol may be allowed a vapor pressure tolerance not exceeding one pound per square inch psi and shall have a fifty percent 50% evaporated distillation temperature of not less than 158°F as determined by ASTM D 86. The vapor pressure tolerance and fifty percent 50% evaporated distillation temperature shall be permitted January through December.~~

(Repealed 2008.)