



#### NBB ONE-PAGE (State's Fuel Quality Regulation)

<b>Department</b>	TN Dept of Agriculture W&M	<b>NCWM Region</b>	SWMA
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<b>What's needed for a successful program?</b>	ASTM specifications, at some point, blends >20%; Blending Requirements in the form of an ASTM Standard Practice, or Annex to the Standard Specification; Additive use data to provide guidance to blenders in the cold weather months; More cold flow testing using LTFT, the best predictor of vehicle operability; Research on the LTFT test method to decrease the test time; Better availability of LTFT commercial units to provide the needed test results. Biodiesel Blend Stock must meet all specifications in the ASTM Standard Specification D 6751.		

#### AUTHORITY

<b>Fuel Authority</b>	Regulatory (state regulations); Statutory (enacted legislation)
<b>Statutory/Regulatory Citation</b>	Kerosene and Motor Fuels Quality Inspection Act of 1989 T.C.A. 47-18-1301 et. seq.; Charged the TN Dept. of Agriculture with the responsibility of regulating heating oils and engine fuels conveyed in Tennessee. Regulations pursuant to the act adopted under TN Rules 0080-5-12. Law sets ASTM standards as the basis for enforcement. TCA 47-18-1304 (c) provides the Commissioner with authority to set alternative standards when in the best interest of the public.

#### ADOPTED FUEL SPECIFICATIONS

<b>Fuels Currently Regulated</b>	Biodiesel-Blends_ yes; B100-Biodiesel_ yes; Diesel Fuel_ yes
<b>Fuel Specifications</b>	B6-19_ other; B1-B5_ ASTM D975; B100_ ASTM D6751; PetroDiesel_ ASTM D975
<b>Other Specifications</b>	B6-B20 ASTM D7467
<b>If no spec - plan to adopt</b>	All biodiesel blends must meet the 10th percentile minimum ambient temperature values for low temperature operability published in ASTM D 975 Appendix X.4, qualified by either D 2500 (CP) or D 4539 (LTFT). Biodiesel Conveyed at Public Retail Sale Points: Biodiesel conveyed at retail sale points that are available to the general consuming public shall not exceed 20% by volume. Biodiesel Blends - % Biodiesel: Determined by test method EN 14078.
<b>Process to Adopt Specifications</b>	Administrative Rulemaking; Legislative Process
<b>ASTM-Rev Adopted</b>	automatic - incorporation of "most-current" revision

#### TESTING PROGRAMS

<b>Proactive Tests</b>	Biodiesel Blends (Bxx); Biodiesel (B100); Petroleum Diesel
<b>Reactive Test Circumstance</b>	Consumer Complaint Routine Annual Inspections, Follow up inspections, quarterly inspections and office requests. Pull approx 8,200 samples of petroleum products including alternative fuel per year.
<b>Fuel Test Performed</b>	- Total Na / K; - Vacuum Distillation; - Viscosity; - Sulfur; - Sulfated Ash; - Stability; - Phosphorus; - Copper Strip; - Cetane; - Carbon Residue; - Glycerine; - Total Ca / Mg; - Flash Point; - Visual; - Acid Number; - Water & Sediment; - Density; - Cloud Point
<b>Where Sampled</b>	Producer; Terminal / Blender; Retailer; Receipt of Interstate Fuel
<b>Where Tested</b>	Out-Sourced
<b>Penalties</b>	Civil Penalties: Up to \$1,000 per violation for first time unintentional violations. Up to \$10,000 per violation for repeat or intentional violations. Stop Sale Authority-Class One Stop Sale Order: Issued for a specified period of time. Class Two Stop Sale Order: Issued until conditions are remedied.

#### REPORTING OUT-OF-SPECIFICATION FUEL

<b>How to Report</b>	1-800 Octane1
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#### NOTES & ATTACHMENTS

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