

NFPA 110, Standard for Emergency and Standby Power Systems

- The NFPA 110 Standard provides guidelines for the maintenance of standby power units such as those used for nursing homes and hospitals.
- The requirements include annual testing for fuel quality using ASTM methods.
- Examples of ASTM tests are given, but the NFPA 110 Standard does not state *specifically* what tests are to be performed.
- Iowa Central Fuel Testing Laboratory can work with you and your local inspector to determine which ASTM method(s) will best suit your needs.
- *“8.3.7 A fuel quality test shall be performed at least annually using applicable ASTM standards or the manufacturer’s recommendations.”*
- *“A.8.3.7 All testing should be performed using ASTM-approved test methods such as, but not limited to...”*

How We Report Results

For ASTM tests with a specified limit, Iowa Central Fuel Testing Laboratory will provide a Certificate of Analysis with a "Pass" or "Fail" designation in the Pass/Fail column as appropriate.

For ASTM tests without a specified limit, Iowa Central Fuel Testing Laboratory will provide a Certificate of Analysis with "Report" in the Pass/Fail column to indicate that the reported value does not have a specified limit in the D975 Standard.

ASTM D975 Tests for No. 2-D S15 (partial list)

WITH SPECIFIED LIMIT		NO SPECIFIED LIMIT	
D93	Flash Point (52°C min)	D2500	Cloud Point
D2709	Water/Sed. (0.05 % vol max)	D6371	Plug Point
D5453	Sulfur (15 ppm max)	D4176	Visual Inspection
D130	Copper Corr. (No. 3 max)	D6217	Total Particulate
		D6974	Microbial Count
		D6304	KF Moisture