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1

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✓ ASTM D381 Gum Content

2

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3

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IOWA CENTRAL
FUEL TESTING LABORATORY

The National Fire Protection Agency’s “Standard for Emergency and Standby Power Systems” (NFPA 110) states that:

“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...”

- The NFPA 110 Standard provides guidelines for the maintenance of standby power units used in nursing homes and hospitals, including 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.

How Will We Report Your Results?

The ASTM Standards provide detailed requirements for diesel and gasoline fuel tests including specified minimum or maximum values allowed. The Standards also describe tests that may provide additional information but do not have a specified limit.

For ASTM tests with a specified limit, your Certificate of Analysis will show “Pass” or “Fail” in the Pass/Fail column as appropriate.

For ASTM tests without a specified limit, your Certificate of Analysis will show “Report” in the Pass/Fail column to indicate that the reported value does not have a specified limit in the respective ASTM Standard.



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