



# EMERGENCY GENERATOR FUEL TESTING

Testing of fuels used for mission critical back-up power generators to help ensure they are ready for use when needed, as needed.

intertek  
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**Intertek standby generator fuel testing is available for diesel, fuel oil, boiler fuel, biofuel, blended fuel, natural gas, and many other fuel types. Stored fuel sampling and testing is suggested annually to help ensure proper back-up generator readiness and maintenance.**



Major institutions and businesses such as hospitals, airports, government buildings, and manufacturing plants, require reliable standby back-up electricity generators in case their local power grid fails. Power grids can fail for a variety of reasons, including wind, rain, floods, accidents, power surges, infrastructure failures, earthquakes, and solar flares. Ensuring standby power generators are ready to work when needed is vitally important for continued operations, safety, and reliability.

Facilities that fall under NFPA 110 requirements must ensure that the fuel stored in their emergency generators has been testing according to NFPA 110 requirements and specifications.

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If a stored fuel is at risk due to the presence of sufficient water to support an infestation of microbes, fuel biocide treatments are available.

Ensuring standby generator fuel quality is a good basic requirement for having a reliable back-up power generator system in place and ready for use.

## **Standby generator fuel quality and stability testing can include:**

- Appearance, haze
- Water content (including emulsified, dissolved, and free water content)
- Microbes (bacteria, algae, fungus)
- Sediment
- Diesel cetane value
- Fuel corrosivity
- ASTM D975 (Standard specification for Diesel Fuel Oils)
- ASTM D396 (Standard specification for Fuel Oils)

## **About Intertek Caleb Brett:**

Intertek Caleb Brett provides expert qualitative and quantitative analytical assessment services to the oil & gas, chemical and other commodities markets. With a global network of laboratories, 24/7 availability, and more than a 130 years of exceptional customer service, we deliver timely, local, and customer-centric inspection and testing services, providing our clients with full transparency and minimizing risk through the supply chain.

### **FOR MORE INFORMATION**



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