



# TRIBOLOGIK®

## NEWSLETTER

ISO 17025:2005

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### **Don't Take Chances - Test your Generator's Fuel Periodically**

In emergency situations, where power breakdowns are not an option, emergency power generators must take over within a fraction of a second. In this context, fuel quality may be a matter of life and death like in hospitals, where continuous operation of medical equipment is critical, or airports, water treatment plants, hotels, government buildings, office towers, municipalities, data centers, etc.

Electricity, however may be interrupted at any time and without any warning. If storms and hurricanes can be predicted, no one can predict where or when a lightning will strike or the criticality of damages caused by freezing rain, flooding, earthquakes or any natural disaster.

Whether required by law or not, one must make sure that the emergency generator will start immediately and operate seamlessly in the event of a blackout.

In this context, fuel contamination must be avoided and fuel testing is an absolute necessity. Everything possible must be done to prevent hard starts, ignition failures, engine malfunctions and breakdowns due to water, sediments or fungus contamination.

Diesel generators are the most popular, less expensive, most efficient, and easiest to operate and maintain. Whether it is diesel or gasoline, fuel must be stored on-site. With a shelf-life of 1.5 to 2 years, diesel fuel is vulnerable to contamination during storage. In the case of gasoline the conservation period is shorter creating a greater risk of contamination.

Therefore, in hospitals and wherever reliability and response time are critical, it is recommended to set up a quarterly fuel analysis program (diesel or gasoline) for your emergency response equipment.

Our fuel analyses are available as single tests or in packages, which allows monitoring many parameters altogether. Please contact us for information on our diesel and gasoline test packages and find out which one is the most convenient in your situation.

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