

# WHAT YOU NEED TO KNOW ABOUT YOUR DIESEL FUEL

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## Diesel Fuel and the Fuel Storage Industry

Diesel fuel begins to degrade after only 22 days from the time it is refined. As such, any industry that requires diesel fuels to be stored for long periods of time, must look towards technologies or systems that can help slow down or prevent the degradation.

## Common Diesel Fuel Storage Issues

Diesel fuels by their very nature are unstable organic hydrocarbons which degrade over time depending on a multitude of factors. As a fuel breaks down, gums and insoluble contaminants are formed within the fuel stock. These, along with solid particulate and water, contribute to the majority of fuel system component wear and failures.

Diesel fuel that is not maintained correctly within a storage tank, in an optimal condition, can cause the following common problems:

- Sludge formation in tank bottoms
- Acid build up
- Water and condensation contributing to rust and tank degradation
- Contamination build up
- Bacteria and organic growth



## Resolution to Fuel Storage Issues

Diesel fuel that is maintained in a condition as close to “as refined” as possible will outperform a diesel fuel that is under or poorly maintained. The solution then is simple: employ corrective measures that ensure fuel stability and cleanliness. The solutions include the use of fuel conditioning devices, filtration and separation control systems, breathers, and monitoring devices.

## Intelligent Fuel Maintenance and remediation

Fuel is known to degrade and pick up many forms of contamination from the environment. This combination of sludge, dirt, dust, and other forms of particulate and contamination wreak havoc on a fuel system, causing engine failure. Below is an infographic that explains the importance of more frequent fuel maintenance cycles.

## Your Fuel Tank Needs Attention

Whether it is your boat or backup generator, all diesel fuel tanks accumulate sludge, water, and debris. To make things worse, every time you re-fuel, more particulate, water, and organic debris is added on top of the accumulating contaminants already at the bottom of your tank. This is what **clogs your fuel system** and **robs** you of **power, performance**, and most importantly, **reliability**.

You deserve to know what the condition of your fuel is. We'll be happy to sample your fuel and give you an immediate analysis of the current condition of your fuel. It only takes about **2 minutes** (in most cases) to get a sample. You have nothing to lose but your worries.