



# **Technol<sup>®</sup> STR-2+<sup>®</sup>**

*With an anti-oxidant*

**For Fuel Oil & Biofuel**

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## **Technical Data Sheet**

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### **Recommended seasonal application**

#### Winter Use

- Apply proactively, pour **Technol STR-2+** directly into the tank before the onset of cold weather and then refuel the tank to insure faster mixing and distribution.
- If the amount of fuel needed is not known, apply after the refueling gallons are known. **Technol STR-2+** can be applied after a fuel delivery but mixing will not be as fast.
- It is best applied before refueling to insure faster mixing and distribution.

#### To stabilize fuel during summer storage.

When spring arrives, double dose the entire fuel tank capacity then top off the tank.

#### **Usage ratios**

**Initial** use apply at the ratio of 16ozs. to every 275 gallons of fuel,

or

One gallon to every 2,000 gallons of fuel.

**Maintenance**, apply at the ratio of 8ozs. to every 275 gallons of fuel,  
or

One gallon to every 4,000 gallons of fuel.

### **PHYSICAL & CHEMICAL PROPERTIES**

Material is: Liquid

Appearance: Amber Color

Flash point: 126°F (52.2°C)

Specific gravity@25°C (77°F): 0.91

#### Sludge Vs. Fuel Stabilization

Fuel starts to degrade very soon after it's produced and sludge forms as fuel degrades.

From the refineries to the oil dealer and ultimately to your tank, fuel oil is stored, aged, degrades, and causes sludge.

Before you get a chance to burn the oil, it gets a chance to sit around, age and degrade causing sludge. Summer heat and stagnant storage speed up fuel degradation.

This is why being proactive by stabilizing every refueling is so important in preventing sludge. Year round fuel stabilizing is key to a clean fuel system. **Technol STR-2+** will stabilize your fuel while sludge detergents and dispersants breakup any sludge already within your tank. One uncontrollable factor is that you were delivered a "sludgy" load of fuel, which is an instant problem. In that case, **Technol 246 Super Sludge Dispersant** is recommended.

#### Combats water buildup and algae

If you do not top off the tank in the spring, hot summer days and cool nights cause condensation to form within the "open air space" above the fuel. As water builds up, rust and corrosion start to damage the tank from the inside out. This "free water" collects and algae is another problem that often occurs. **Technol STR-2+** allows water and oil to mix. This water/oil "emulsion" is removed as the boiler calls for fuel to provide heat. It is burnt and sent up the stack as steam. When the water is gone, the environment required for biological life is also gone.

#### Prevent loss of stability in Biofuel

A variety of factors affect the level of decomposition of biodiesel as well as the rate of formation and decay. These factors include the temperature, presence of light, catalytic metals in the fuel system, sump oil, or storage containers, type of biodiesel, fatty acid profile, blend level, and other contaminants.

The oxidation of biodiesels and biodiesel blends is known to form deposits and corrosive materials which may impact the operability performance and the effects on internal components.

The anti-oxidant in **Technol STR-2+** is a proprietary blend of antioxidants and a metal deactivator used to prevent oxidation or loss of stability in biodiesel. The metal deactivator is designed to neutralize the catalytic effect of copper and other metals in promoting oxidation in biodiesels.