

# SOS-L4



The SOS-L4 is intended to give you the most accurate description of your fuel, from a visual inspection and the life expectancy of your fuel, to the corrosivity and ignition quality of your fuel. This package is designed for "Mission Critical" industries, such as hospitals, banks, critical data centers, etc. This package covers the most common fail points found in diesel fuel, according to the ASTM D975.

## **Test includes the following:**

Distillation	ASTM D86	Water by Karl Fischer	ASTM D6304
Microbial Growth	ASTM D6469	Appearance	ASTM D4176
Flash Point	ASTM D93	Stability/Accelerated Aging	EN-14112
Sulfur	ASTM D5453	Copper Strip Corrosion	ASTM D130
API Gravity	ASTM D1298	Sediment & Water	ASTM D2709
Cetane Index	ASTM D976		

**Distillation** temperature is the temperature at which 90% of the fuel can be distilled off. This temperature is directly related to the fuel's volatility, Cetane Index, Density, Flash Point and Viscosity.

**Microbial Growth** test determines the type and degree of infestation.

**Flash Point** is the lowest temperature at which the vapors of a combustible liquid will ignite momentarily in the air.

**Water by Karl Fischer** is a highly accurate test used to determine water content in the fuel. Results can accurately be measured from 1 ppm to 100%.

**Appearance** tests for water sediment or any other foreign debris.

**Stability/Accelerated Aging** is a percentage range assigned to a fuel based on its tendency to produce asphaltene at high temperatures.

**Sulfur** Test Method for Determination of Total Sulfur in Light Hydrocarbons.

**API Gravity** is the measure of a diesel fuel's density, or weight per volume.

**Copper Strip Corrosion** test is designed to assess the relative degree of corrosivity of a petroleum fuel.

**Cetane Index** is a measure of a diesel fuel's ignition quality.

**Sediment & Water** in fuel can cause corrosion, wear, bacterial growth and premature filter clogging.