

## **FUEL COMPATIBILITY/DENSITY CHECK (1000120311149)**

Density, Compatibility and Stability  
Determination – Triple Test Kit

Fuel is paid by weight and delivered in volume. The key to this critical calculation is DENSITY. The precise determination of a fuel's density is essential when calculating its weight from its volume.

The FUEL COMPATIBILITY/DENSITY CHECK enables accurate determination of density in light and heavy fuels as well as lubricants and hydraulic fluids from 0.82 up to 1.05 g/ml, directly converted to the standard temperature of 15 °C.

Almost all heavy fuel oil is blended at some stage. This is an increasing development connected to the lowered sulfur cap and increased demand of low sulfur fuels. During blending or on subsequent storage, reactions can occur that result in sludge formation. The aromaticity or solvent capacity of the fuel oil can be too low and an asphaltene precipitate will occur. Filter blockage, reduced fuel injector performance, poor combustion, and even damage to piston rings and liners may occur.

Fuel blends should get checked for stability upon delivery. Bunkers of different supply should be kept segregated whenever possible and being checked for compatibility before getting mixed in the same tank. The test method applied by FUEL COMPATIBILITY/DENSITY CHECK follows ASTM D4740-04(2014).



### **FEATURES**

- Measuring range: 0.82 – 1.05 g/ml
- Measuring time: about 2 min.
- Required sample: 150 ml
- Quick and adjustable heating
- Direct readout in g/ml @ 15 °C

### **BENEFITS**

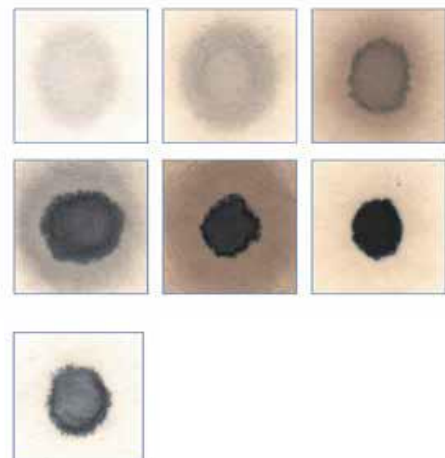
- Quick and adjustable heating
- Direct readout in g/ml @ 15 °C
- Easy to use even for non-trained personnel
- Handy and time proven

### **SPOT CHECK**

Quick Insoluble Test

Just drip one drop of oil on SPOT CHECK paper and let it dry out. The oil flows through the capillary structure of the chromatographic paper and the picture of the resulting spot will indicate:

- Degree of soot contamination
- Fuel dilution
- Remaining detergent-dispersive power of lubricating oils.



The **SPOT CHECK** is quick and cost efficient. And it may in time give valuable indications on irregularities and impending malfunction of an engine, saving the trouble and the cost of avoidable down-times and repairs.