



## Degraded Fuel Test Instructions

For the detection of high Acid Number in diesel, biodiesel fuel blends, and heating oil

### Degraded Fuel Test Instructions

1. Obtain Diesel or Biodiesel sample from tank or filler nozzle.  
\*\*\*\* Note: Use appropriate safety precautions for handling fuel. \*\*\*\*
2. Fill the Test Kit bottle to the shoulder with the fuel sample taken in Step 1.
3. Replace the Test Kit bottle cap and tighten it securely.
4. Shake the Test Kit bottle **vigorously** for 30 seconds.
5. Interpret and record the results.

### Interpreting results

If the contents of the sample bottle turn yellow, the acid number that exceeds the threshold of the test kit. High Acid Number is an indicator of fuel degradation. Prolonged use of degraded fuel can cause engine damage.

If the sample remains pink/purple, the fuel has an acid number that is lower than the threshold of the kit. The threshold for this test is approximately 0.3mg +/- .05 mg KOH/g of fuel.

**Pink/purple color indicates that the fuel passes the test.**



### Disclaimer and Warranty

All Fleet Biodiesel and Fleet Fuel Testing Field and Lab Tests are offered only as general indicators of fuel quality. All commercial tests – even analytical tests performed according to ASTM specifications – are subject to error due to sampling techniques, unique fuel attributes, and statistical anomaly. Failed test should be verified by repetition or more detailed analytical testing. No warranties, either expressed or implied, are made regarding the accuracy of the tests or the quality of fuel that is tested.