



## Water Detection Field Test Instructions

For the detection of suspended and separated free water, and particulates in diesel, biodiesel, biodiesel blends, off-road fuel, jet fuel, heating oil, and kerosene

### Instructions:

#### Part 1 Visual Inspection

- Step 1. Open test bottle and remove the small tube of indicator solution. **Discard desiccant packet.**
- Step 2. Fill test bottle to the shoulder with fuel. Replace cap and tighten securely.
- Step 3. Shake vigorously for 5 seconds, then wait one minute.
- Step 4. Closely examine the sample looking at the ovals through the bottle.

#### Interpreting the results

**PASS:** Clear and bright fuel, with numbers and ovals clearly visible through the fuel.

**FAIL:** Cloudy fuel with numbers and ovals not clearly visible, may indicate the presence of contaminants.



*Note: DO NOT DISPOSE OF THE FUEL; it will be used in the next part of the test.*

#### Part 2 Water Detection

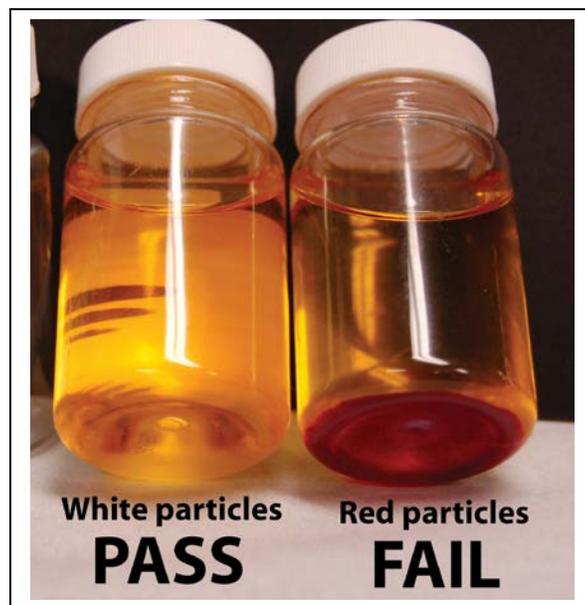
- Step 1. Vigorously shake or flick the small tube of indicator solution until completely mixed.
- Step 2. Open the test bottle containing fuel, and pour in the indicator solution (from small tube).
- Step 3. Replace and tighten the cap of test bottle and vigorously shake for 5 seconds.
- Step 4. Let the sample stand for 3 minutes.
- Step 5. Holding the bottle upright, examine the contents and the bottom of bottle.

#### Interpreting the results

You will see particles from the indicator settling on the bottom.

**PASS:** Particles are white.

**FAIL:** Particles turn red (dark purple in dyed fuel).  
Fuel likely contains water exceeding 200-500ppm.



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Test Bottle  
Desiccant packet  
Tube of water Indicator solution

#### 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, as well as 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.