



Diesel Fuel Water Content & Fuel Clarity Test

Two Tests in One
Based on ASTM D4176

Tests all Diesel Fuel and Heating Oil

Results in less than 5 minutes

Non-toxic and completely safe

Part # FCT-100

This test is designed as a field PASS or FAIL test to detect suspended water and solid contamination in diesel fuel.

Retain this test for future reference.

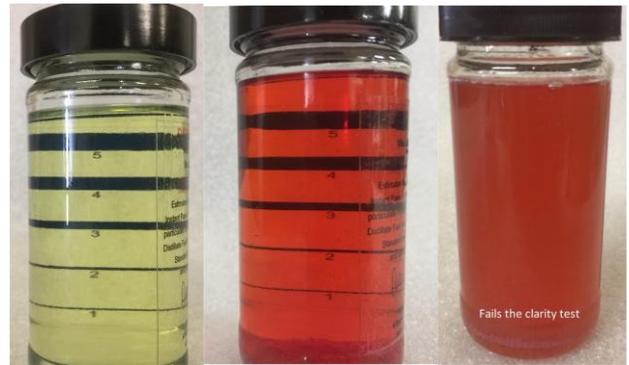
Use a permanent marker pen to record the date and source of this sample taken for testing.

The Test Procedures

- Remove the capsule from a test jar. Hold the capsule aside for step two of the test. Do not put fuel in on top of the capsule.
- DO NOT open capsules until you are ready to test. You will collect moisture from the air and get a false reading.
- Though non-toxic **DO NOT PUT THE CAPSULE IN YOUR MOUTH.**

Test Procedure One - Fuel Clarity Test.

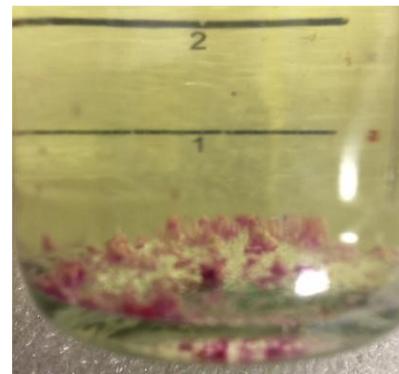
1. Take a fuel sample from the bottom of your fuel tank if at all possible, the closer to the bottom the better. And add the fuel to the test jar until you are past the top indicator rectangle #5
2. To check visually for evidence of water or particulate contamination hold the sample up to the light and visually examine for haze or lack of clarity. Swirl the sample to produce a vortex and examine the bottom of the vortex for water and solids.
3. If you can see free water, stop the test. The fuel has failed and there is no need to continue with part 2.
 - PASS: Clear and bright fuel, with rectangle #1 and rectangle #2 clearly visible through the fuel.
 - FAIL: Cloudy fuel with rectangle numbers 3, 4 and 5 not clearly visible, may indicate the presence of solid contaminants or suspended water in the fuel. Fuel Polishing/Maintenance is required.



Two are clear and bright fuel ONE is not.

Test Procedure Two – Suspended Water in Fuel

1. Take the capsule and open it and pour the contents (powder) into your test jar.
2. Put on the lid and shake for 10 seconds.
3. Holding the jar upright, do a visual inspection:
4. The powder will start to settle to the bottom and you will see at the bottom of the jar either the white powder or various shades of pink.
5. Allow the mixture to settle and examine the results:
 - 10-49 ppm water will give you pink spots in the powder
 - More than 50 ppm water will turn all the powder hot pink Hot Pink is a FAIL and action must be taken.



Water is shown by pink

Disclaimer and Warranty:

All engine manufactures have a Zero Tolerance for water and particulates over 2 microns in your fuel. This test offers only a general indicator of fuel quality.



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