

CC2651 Monitor™ Diesel Fuel Quality Analysis



Tests Included (chart codes): D, I, J, K, L, M, N, O, P, Q, R, AA

Chart Code	Test	Features	Benefits
D	Viscosity	Lubricant quality test determines "thickness" at 104 °F (40 °C) and/or 212 °F (100 °C). Also run on fuel at 104 °F (40 °C).	Helps you assess lubricant suitability by indicating thinning from multigrade additive breakdown, potential solvent contamination or thickening due to oxidation.
I	Sulfur Percent	Identifies the percentage of sulfur in diesel fuel.	Makes it possible to determine if fuel meets low sulfur specs.
J	API Gravity	Fuel density test that relates to power economy and low temperature operability.	Makes it possible to compare actual fuel specifications with any supplier's spec sheet.
K	Distillation	Determines five boiling ranges. This test is necessary to calculate the cetane index.	Identifies dangerous and damaging gasoline contamination and helps verify levels of kerosene added during the winter.
L	Flash Point	Determines the volatility of fuel.	Helps determine the ignition quality of fuel and identifies gasoline contamination. Valuable in fuel specification.
M	Cloud Point	Determines the temperature at which wax crystals will form during cold weather operation.	Avoids filter plugging.
N	Pour Point	Reports temperature at which fuel will gel during cold weather.	Avoids engine operation problems caused by fuel gelation leading to filter plugging.
O	Water and Sediment	Measures water content and sediment.	Helps avoid potential corrosion and erosion of fuel system parts and alerts customers to potential biological growth problems, which can accelerate filter plugging.
P	Bacteria, Fungi, Mold Test	Measures bacteria, fungi and mold levels.	Indicates whether microbe levels demand addition of biocides and/or tank plugging.
R	Thermal Stability	Rates the thermal stability of #2 diesel fuel.	Thermally unstable fuel leads to reduced fuel filter life. This test helps determine how much the fuel used is impacting fuel filter life.
AA	ICP Metals	Determines the presence of corrosion metals and oil contaminant metals.	Shows when lube has been added to a fuel system (which under certain conditions can shorten fuel filter life) or when corrosion is occurring in a fuel system.