



FUELSTAT[®] Diesel

from Unipart Rail

Detects 'diesel bug' in less than 10 minutes



Fuel system issues?

- Dirty or blocked filters?
- Worn injectors?
- Lab results indicate high particulates or microbiology issues?

How has fuel changed?

The combined effects of adding FAME and reducing sulphur have changed the characteristics of diesel, gas oil and kerosene. The fuel supply chain is adapting to deal with the consequences in storage, from distribution to storage and right through to vehicles.

Avoiding water is much harder now as FAME attracts it. With more water comes increased incidence of injector problems, corrosion and lubricity issues. Then there is, of course, microbial contamination aka 'diesel bug'.

What is Diesel Bug?

"Diesel Bug" is a consortium of organisms which live at the fuel water interface. They live in the water phase whilst feeding on the fuel. Of all the organisms in this consortium, H res is the most recognisable and also damaging component of 'sludge'. This fungus is the main culprit in instances of filter blockage & tank corrosion when left unchecked. The rest of the consortium includes bacteria and other types of fungi, particularly some yeasts which can also cause fuel system problems.



Biomass



Corrosion



FUELSTAT® Diesel Test





Why use FUELSTAT® Diesel?



Why Test?

Testing puts you in control. It establishes the status of your fuel and tank. As an alternative to guesswork or additives, testing allows you to diagnose and appropriately treat operating problems in both vehicles & tanks. By designing a regular monitoring regime you catch problems early before they result in costly operational issues.

Why use FUELSTAT Diesel?

- FUELSTAT® Diesel is an IATA approved, on site diesel bug test.
- In just 10 minutes, without any special skills or equipment, the pregnancy style technology allows quick and easy detection of fuel contamination.
- FUELSTAT® Diesel alert levels indicate what action to take



Contaminated Fuel

Benefits

- Fast, accurate, on site test
- Immediate, actionable information on bacterial & fungal contamination
- Tests all middle distillate fuels (Kerosene 28 heating oil, Marine Gas Oil (MGO) & Diesel)
- No capital investment
- No false positives

How it works

- Pregnancy test style immunoassay technology
- Easy to read – results in 10 minutes
- Easy to use – anyone, anywhere can test
- 2 alert levels corresponding to the level of remedial action required

Applications

- Pre-bunkering check
- Auditing
- Diagnosis – backed up by retest and/or laboratory tests
- Monitoring – backed up by retest and/or laboratory tests

About Unipart

The Unipart Group is a leading UK manufacturer, full service logistics provider and consultant in operational excellence. Operating across a range of market sectors, including automotive, manufacturing, mobile telecoms, rail, retail and technology, Unipart offers a breadth of services to a wide range of blue chip clients internationally.

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