FUEL CONDITIONERS

Diesel

B100

Heating Oil

biofuel
Heating oils B35

Why Do I Need A Fuel Conditioner?

Road diesel & gasoil contains a percentage of bio-fuel (up to 7%) this provides an ideal breading ground for diesel/gasoil bugs.

- Equipment is failing due to bugs in these modern fuels. Problems with contaminated fuel inside storage tanks is causing pump & or vehicle filters to block. In severe cases vehicles have stopped causing downtime & hefty repair bills.
- These issues are caused by microbial contamination (often known as diesel bugs which are micro-organisms that grow on water present in fuel). This problem has been known but contained for years until the age of the latest fuels.
- A tank becomes an incubator as the variation of temperature, condensation & now the added percentage of bio-fuel (which attracts water as it is hygroscopic) helps these bugs to flourish.
- Over a period of time living microbes grow into large colony forming units (CFUs) which get sucked into fuel supply lines blocking filters on dispensing pumps & vehicles. Microbial contamination is most commonly seen as sludge that forms in the bottom of storage tanks & accumulates on filters. This sludge also contributes to poor emissions (seen as black exhaust smoke).
- In addition to this even fuel with a small percentage of bio-fuel will act as a detergent cleaning the inside of the storage tank, pipework & valves allowing a dirt & sludge to be sucked up by pumps blocking filters.
- Fuel conditioners break down the CFUs to less than 1 micron, the dormant microbes will not produce a colony & at 1 micron are small enough to pass through filters. These microbes will be consumed by vehicles engine during combustion. Any microbes passed through a fuel conditioner will remain dormant for a period of 28 days.
- Fuel conditioners provide a safe & natural way of fighting microbial contamination, helping to keep fuel in top condition.
- Different sizes & flow rates available to fit suction & vehicle fuel lines.

Stk Code	Description
FM.ISO25	1” inline, flow rate 85 litres per minute
FM.PF50	Fits onto existing angle check valve
FM.50TS	2” inline, flow rate 600 litres per minute

Supplied by:

FUEL STORAGE SYSTEMS