

WASP PFS Ltd

a Separ UK company (ISO9001:2008)

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2011 WASP PFS Ltd Catalogue

Rev 1102

Fuel Additives and Test Kits



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The information contained in this catalogue is correct to the best of our knowledge; however always check with WASP PFS Ltd for the precise data relating to any given product.

Occasionally products are updated or have subtle re-designs. Given we produce a catalogue ever year to eighteen months; it is not always possible to include these changes. Speaking to WASP PFS Ltd is always the easiest way to ensure you have the latest information. Alternately you can visit our web site at www.wasp-pfs.com

Information in this document is for reference only, E&OE.

All sizes and weights are approximate.

Note: The manufacturer reserves the right to change or amend specifications without notice.

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Biocides and additives – WASP FTR

WASP Fuel Treatment Red is a highly concentrated mixture of carefully formulated additives and solvents designed to easily mix with gas oils, diesel and fuel oils used for marine pleasure and ocean-going vessels, road haulage fleets, mechanical plant and agricultural units.



Fuel optimisation

At today's higher fuel prices it is essential customers obtain greater value for money by optimising fuel performance in the most cost effective way. Each litre of fuel burned needs to be in pristine condition to enhance engine performance and reduce mechanical wear.



Engines convert fuel or 'chemical energy' into mechanical energy, heat and emissions. The condition of the fuel plays an important role in the efficiency of the energy conversion process. Optimal fuel quality will enhance combustion, extend maintenance intervals and the useful life of filters and injectors, and help to keep tanks clean. Additives in WASP FTR restore 'stale' fuels to peak combustibility ensuring continuous clean burning and optimising fuel efficiency, and when used in conjunction with a Separ Fuel Polishing System for water and contaminate removal, it represents the most powerful and efficient cleaning solution for fuel in storage

Stored fuels naturally deteriorate; fuels, being organic, are susceptible to natural deterioration. Oxidation, water, and microbes all contribute to reducing fuel quality and forming tank sludge. Bacterial build up can also be a major problem. Water ingress and air-borne contaminants like dirt and grit all combine with oxidised fuel particles to form sludge. These unwanted by-products cause clogged filters and fuel lines, resulting in unwanted downtime and costly maintenance. Worse – potential engine failure at sea or vehicle breakdown in remote areas! In use, contaminated fuel can corrode injectors, pumps (and tanks) leading to incomplete combustion, carbon build up, smoke, loss of power and even engine failure.

Where the Fuel Polishing Systems remove the bacterial content and water from a tank, the addition of WASP FTR fuel treatment and improvement catalyst eliminates any fungal growth and bacterial build up, improves the fuels combustibility and restores it to pristine condition. It also enhances lubricity, inhibits corrosion and reduces harmful exhaust emissions.

The use of WASP FT RED prevents stored 'stale' fuel having to be replaced – a major cost saving at today's prices.

Dosage:

1 litre of FT RED to 4000 litres of fuel offers a minimal treat rate
1 litre of FT RED to 2000 litres of fuel offers a treatment dose

What WASP FTR can do for you?

- Improves combustion
- Disperses and inhibits sludge
- Reduces gums & resins
- Improves spray patterns
- Extends filter life
- Lowers fuel consumption
- Improves power output
- Reduces carbon deposits
- Inhibits microbial growth
- Reduces smoke emissions
- Reduces mechanical wear
- Inhibits tank corrosion
- Cleans injectors & fuel system

WASP FTR is available in 250ml bottles, 5litre cans and 25litre drums

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Biocides and additives – WASP Biokem SP15

Fuel micro-biocide for treatment of Cladosporium Resinae and Pseudomonas aeruginosa (the fuel bug).



These bacterial infections cause filters to clod, form sludge and other biomass in the take, are the cause of tank pitting and can not only stall, but permanently damage and engine if left untreated.

WASP biokem SP15 is a highly effective agent to kill live bacteria in fuel tanks. It can also be used as a wash to pre-treat surfaces.



Description

High performance antimicrobial agent with a broad spectrum of performance, the effectiveness of WASP Biokem SP 15 has been proven over a number of years and it has extensive approvals endorsing its use in a wide range of fuel types.

It combines exceptional activity with broad spectrum performance, consequently it is effective at very low use levels against all commonly occurring fuel contaminants (bacteria, fungi and yeast).

WASP Biokem SP 15 is a patented high performance antimicrobial agent developed specifically to combat problems of microbial contamination and spoilage in hydrocarbon fuels.

Packing

The product is supplied in containers of 20 litres, 5 litres or 250ml.

Dosing

WASP Biokem should be dosed as follows (based on the 250ml bottle size).

Contamination	Dose
Preventive	A 250ml bottle is enough to treat 2500 litres of fuel (10000:1)
Moderate contamination	A 250ml bottle is enough to treat 1250 litres of fuel (5000:1)
Heavy contamination	A 250ml bottle is enough to treat 750 litres of fuel (3000:1)

When dosing with WASP Biokem, ALWAYS mix the required dose with a greater quantity of fuel BEFORE adding to the fuel tank. This ensures a quick and efficient dilution with the infected fuel

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Bacterial infection test kits

How would you know if your fuel is infected with a micro organism?

There are several ways to tell, sludge or back spots appearing in your filters and pipe work, a strong rotten egg smell, loss of engine performance or limited top speed. However, there is another way, a simple test which can be administered by just about anyone.

The **MCD Micro Dip-Slide** test is an easy way to find out if you have a bacterial infection in your fuel.



Simply take the slide out of the clear plastic holder



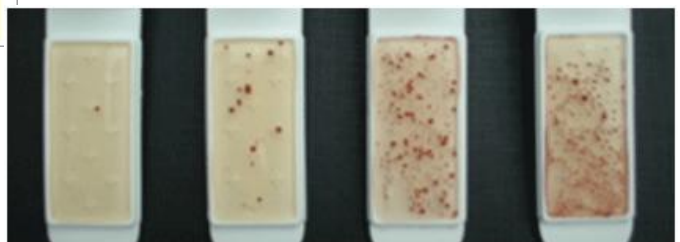
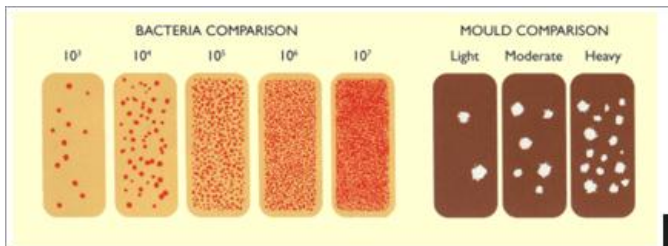
Dip it into the fuel to be tested for about 10 seconds, and then remove ensuring there are no drips of fuel left on the slide



Now replace the slide into the clear plastic holder and (ideally) incubate the slide at about 30-35 degrees centigrade for 48 hours.

As most people don't have access to an incubator, and although it is not strictly recommended for consistent results, to gain a good idea of the type of infection you may have is to leave the dip side in a warm place (window sill above a radiator or near a lamp) for 48 hours.

Growth on the slide, as shown below, indicates the level of any infection present in your fuel. As a general rule, any infection is bad news and as such will need treatment.



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Ordering procedure

Orders

Ordering from WASP PFS is easy; simply make a note of the products you are interested in and either

- call us on 01923 606 600,
- email us via sales@wasp-pfs.com,
- send a message to us via the 'contact us' section on our web site (www.wasp-pfs.com)
- or you can fax us at 01923 267463
- You can even post orders to us at: WASP PFS Ltd, 3 Kingley Park, Station Road, Kings Langley, Herts, WD4 8GW

If you need help, please call us. We are very happy to help select products for you, assist with technical advice and provide further product data if required.

Payments

We accept payment by bank transfer (BACS, CHAPS, Internet banking and bank transfers). We also accept cheques made payable to "WASP PFS Ltd". We will shortly be taking credit card payments as well, please check back with us soon for more details.