

FIRST AID FOR FUELS™

Your complete guide to managing fuel contamination and degradation

Diagnosis & Prevention

Treatment

Cure

Health



HPI

HYDROBULLIC PROJECTS (INT'L) LTD.



WHY DOES THE HEALTH OF YOUR FUEL MATTER?

Engines rely on having a clean and pure source of fuel in order to perform at their best and ensure reliability and longevity.

- Modern performance engines incorporating high-pressure fuel injectors have ultrafine tolerances, meaning the quality of your fuel has never been more important.
- At the same time, environmental legislation has led to the adoption of ultra low sulfur diesel, with the sulfur content replaced by up to 7% biofuel.

These two developments have created a significant problem. If your fuel is not properly treated and managed the biodiesel can lead to contamination and fuel degradation, which can block filters and injectors, jeopardise the reliability of your engines and cause expensive equipment failure.

Biofuel suspected in probe into diesel breakdowns

BBC

West Bank pump station's generators failed in test due to bad fuel

The Times-Picayune

Motorists warned over bad diesel

Telegraph

WE'RE THE FIRST CHOICE FOR COMPLETE FUEL SOLUTIONS

FIRST FOR DIAGNOSIS AND PREVENTION

Testing the quality and health of your fuel is vital. Our advanced diagnosis and prevention products, test kits, particle counters and sophisticated laboratory service will help you identify potential problems before it's too late.



FIRST FOR HEALTH

We have been constantly innovating for over 25 years, making us the proven and qualified experts in fuel health. If you need advice, consultancy, site-servicing, training or emergency product rental trust Filtertechnik.



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FIRST FOR TREATMENT

We understand fuel health. Filtertechnik's family of ready-to-go filtration and polishing products enable you to effectively remove water and solid contaminants to keep your fuel source clean, and your equipment performing at its best.



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FIRST FOR INDIVIDUAL CURES

As expert designers and builders of customised filtration systems, we ensure exactly the right response whatever your specific fuel health issue or challenge.



FIRST FOR DIAGNOSIS AND PREVENTION

From patch and field-test kits to water monitoring systems to our in-house laboratory analysis, Filtratech provide all the products and services you need to check your oil and fuel is in tip-top health, and to spot problems before they affect your equipment.

PRODUCT FOCUS Particle Pal®

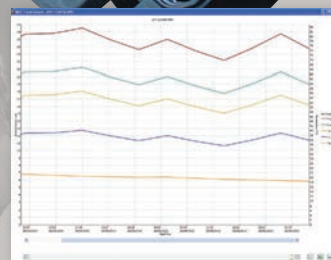
The award-winning and revolutionary portable laboratory for advanced offsite and onsite testing of your fuel and oil.

The real-time Particle Pal® enables you to complete in only 5 minutes a testing process that previously took 2 days. It provides live ISO particle counts as well as % RH or water ppm counts; we believe it's the most cost-effective cleanliness monitor on the market.

"Particle Pal is unique...its portability, ease of use and adaptability across oils and fuels make it a valuable addition to the field engineer's tool kit."

Seawork.com

- Compact, lightweight and robust
- Accurate, repeatable and consistent results
- Measure the quality of oils and fuels in real time
- Ideal survey tool for field and laboratory use
- Sample direct from fuel tank, sample bottle, fuel polishing cabinet or oil reservoir



ALSO AVAILABLE PC9001

Laser particle counter for real time ISO cleanliness measurement. Can be used as a standalone or fitted into Filtratech filtration units.

Portable Water Monitoring Systems
Patch Test Kits
Laboratory Analysis



Prevention is the best cure. For help identifying fuel issues before they cause problems call 01994 240 904 .



FIRST FOR TREATMENT

Filtratech provide an extended family of fuel treatment products and solutions suitable for all applications so you can rest-easy knowing your fuel is always fit for the task and ready to perform at its best.

- Fuel filtration systems
- Filter housings
- Biocide treatment
- Water removal filters

We have over 25 years of experience in the sector, so why not trust the industry experts to keep your fuel free from particulate, water and bacteria?



Water removal filters

The industry-leading water removal solution has evolved. Filtratech have managed to make the best even better, meaning Filtasorb 2 is the most powerful and cost effective tool on the market for removing water from your oil and diesel fuels.

- Versatile water removal cell design
- Holds up to 3 x more water than its closest competitor
- Water reduction levels to under 100ppm in a single pass
- High flow rates
- Designed for use with modern oils and diesel fuel blends
- Fully compatible with Filtratech's DFU range

Dry: Filtasorb 2 (right) compared to the leading competition.



Wet: Filtasorb 2 media absorbs up to 3x more water than the competition. The water remains captive in the new media design and is not released during operation.

300% GREATER WATER ABSORPTION



PRODUCT FOCUS DFU-1

The DFU-1 is the ultimate entry-level fuel polishing system.

This portable equipment is ideal for mobile use and basement tank access. It provides an exceptional diesel filtration and conditioning system for water/particulate removal and bacterial growth.

- Versatile and compact fuel filtration system
- High capacity particulate filtration (down to 1 micron) for exceptional removal of solids and diesel bug from most fuels
- Optional secondary water removal filter if required
- Low cost consumable cartridges for fuel cleanliness levels of ISO 18/16/14 and below
- Optional extras include bacterial fuel conditioners, flow meters and particle counters
- Quick connect fittings allow for instant plug-in to the Particle Pal® fuel cleanliness analyser



ALSO AVAILABLE DFU-2

The DFU-2 is the DFU-1's big brother, providing the same industry-leading technology with added capacity to clean up to 10,000 litres of stored fuel in one go. With a flow rate of 80 litres per minute.

Filter Housings

Decades of experience and engineering expertise go into the manufacture of every one of our world-class filter housings, with each designed for versatility, performance and cost-effectiveness. Our housings offer outstanding filtration efficiencies (99.98% at any given micron rating), high quality construction and compatibility with a full-range of industry standard bags and pleated media including the popular Filtratech Ftech 7.



Biocide

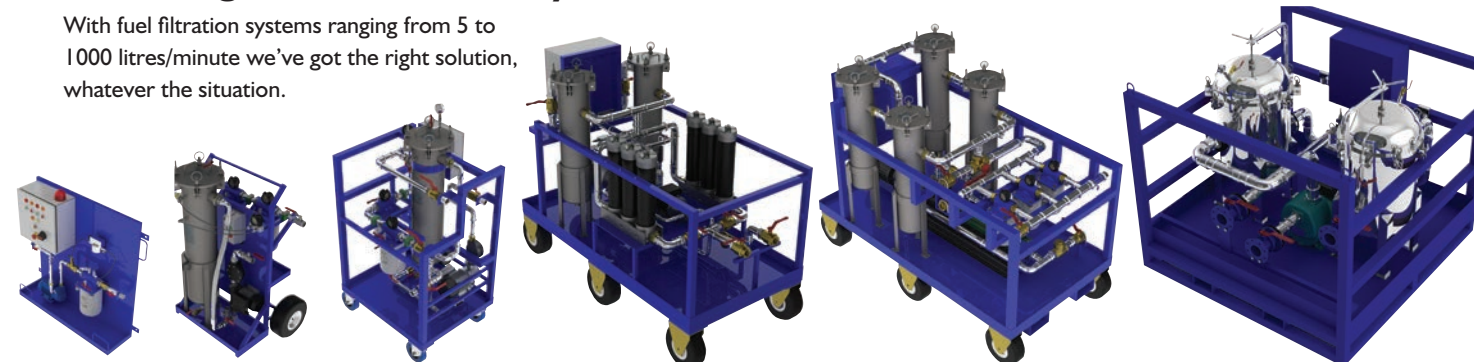
Filtratech HFAM1000 fuel biocide is the undisputed industry leader for eradicating the microbes (including diesel bug) living in water and feeding off hydrocarbons in your fuel. If allowed to multiply these organisms generate a particulate likely to block filters and injectors, making HFAM1000 a vital component in your fuel health strategy.

Also prevents acetic acid build-up that can lead to tank and fuel system corrosion.



A full range of fuel filtration systems

With fuel filtration systems ranging from 5 to 1000 litres/minute we've got the right solution, whatever the situation.



To see the full range of Hydraulic Projects fuel filtration systems please visit www.hydraulicprojects.net



FIRST FOR INDIVIDUAL CURES

We understand that no two projects are the same. This is why as well as a comprehensive range of versatile off-the-shelf solutions we also create bespoke solutions that exactly match your project requirements.



Filtrertechnik are experts in advice, commissioning, design and manufacturing, ensuring that every aspect of your project is done properly by fully-qualified professionals.

- Initial project surveying and advice
- Specialist consultancy service
- In-house design and innovation resource
- Quality British manufacturing
- Benefit from 25-years experience within the fuels and hydraulics sector



PRODUCT FOCUS

FuelView Telemetry

The innovative FuelView Telemetry unit allows users to easily remote monitor tank levels, fuel quality and condition indicators, and to activate fuel polishing systems as appropriate from anywhere in the world!

FuelView Telemetry helps users save time and money, track performance (with history log and exportable data) and – thanks to a range of power options including battery, mains and solar – is perfect for even off-the-grid locations.



PRODUCT FOCUS

WMS500 Water Measurement Sensor

For exceptionally accurate and real-time reading of water measurements Filtrertechnik developed the WMS500 Water Measurement Sensor.

The WMS500 is calibrated against a Karl Fischer titration (ASTM D1533) and reliably measures absolute water content in hydraulic, fuel, silicon oils and bio oils.



STATUS REPORT

Lloyds Bank, Data Centre

Filtrertechnik Fuel Polishing Systems are extensively specified into many data centres across Europe. In critical UPS applications, clean fuel is mandatory. Our fuel filtration modules are the first choice for essential service providers like Financial Services, Healthcare and Telecommunications. When you next see a bulk fuel tank, take a closer look....there's a high probability that one of our filter units are keeping the fuel clean and dry, ready for use when required!



FIRST FOR HEALTH

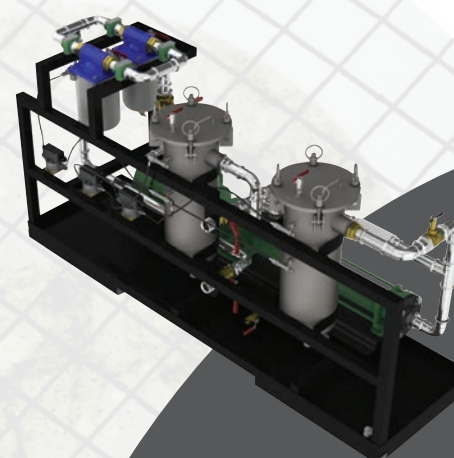
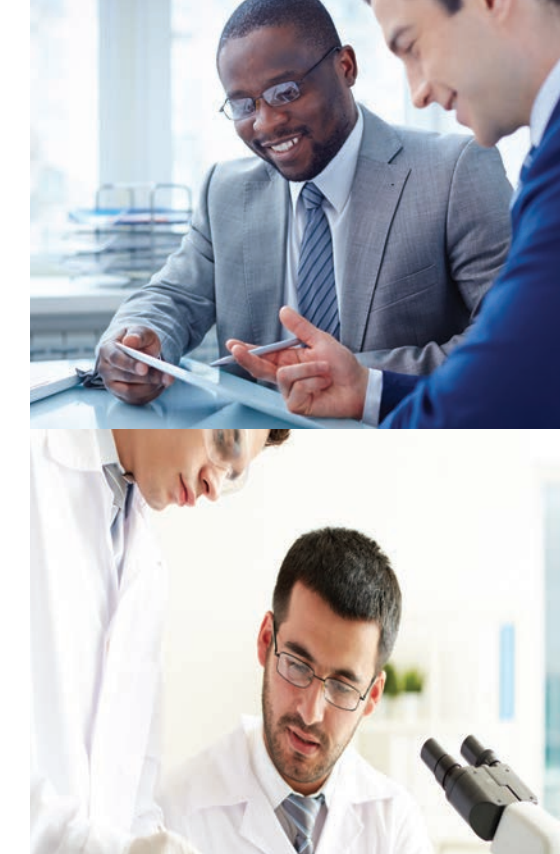
Just like human health, there is no one thing that will guarantee the condition and functionality of your fuel. At Filtrertechnik we've made it our business to become experts on all aspects of fuel health so that you can trust us when it comes to seeking advice, products or a complete and integrated fuel health strategy.



- Consultancy and best-practice advice service
- In-house laboratory
- Superb customer service and aftersales support
- Equipment rental and emergency response

“Companies can no longer afford to ignore the health of their fuel. If you need your equipment to run properly you also need an effective fuel health solution. Fortunately, we're here to help.”

Richard Price, Managing Director



We're your expert partner in creating project-specific solutions. Call us on 01994 240 904 to discuss your requirements.

Visit our website www.hydraulicprojects.net for more information

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