HFT
HYBRID FUEL TECHNOLOGY

BETTER FUEL FOR THE FUTURE

6M
8
6
4
2
5M
8
6
4
2
4M
8
6
4
2
3M
8
6
4

OUR COMMITMENT

Hybrid Fuel Technology is a global company specialising in innovative fuel conditioners, we customise real solutions with real results for our industry partners. Together with the Department of Innovation Australia we have engineered the technology able to assist industry throughout the entire world.

Developed for the Australian mining, oil and gas industry with the initial purpose of reducing Diesel particulate matter (DPM and PM) to improve occupational health and safety of the underground working environment.

HFT Fuel has been scientifically proven to substantially lower other harmful emissions while reducing fuel consumption and machinery wear.

KEY FUNDAMENTALS

With new legislation imposing tougher guidelines for emission reduction the need for operators to find alternative and cost effective solutions is increasing. Less sulphur combined with the process to remove the sulphur creates fuel with less lubricity; this can create costly wear on machinery. Low sulphur fuel enhanced with HFT products produce a superior fuel that has a more complete burn, produces less emissions and will reduce costs of both fuel consumed and required engine maintenance.

RESEARCH AND DEVELOPMENT

Our technology has been engineered and developed in Australia under the Boeing Airline Quality Assurance System by our National Testing Authority accredited laboratory holding ISO 9000:2001 QA certifications.

With our key partners FIMA (Fuel Infrastructure Management Australasia) we have been developing fuel treatment products since 1960. Servicing single users to multi nationals throughout Australia, New Zealand, Pacific Islands, South Africa, Kenya, Singapore, Indonesia and Europe.

ENGINEERED TO DELIVER

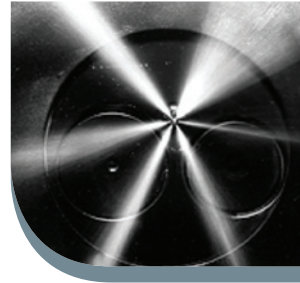| Improved lubricity	less wear
Improved performance	cost savings
Cleaner fuel burn	reduced emissions

GAS OIL *HFT FYREX CI*

Fyrex CI is the only Government endorsed fuel additive in the world. Developed to treat all areas from tank to funnel with just one product. Made from organic compounds Fyrex provides 8 benefits rolled into 1.
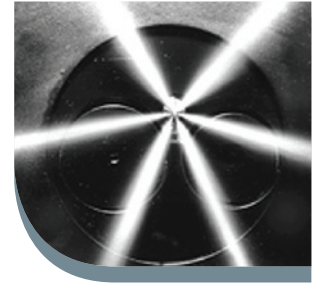
HFT FYREX CI

Surfactant

This lowers the surface tension of the fuel droplet, creating smaller more atomised spray patterns improving air-fuel mix and creating a more efficient combustion.

Injector Cleaner Detergent

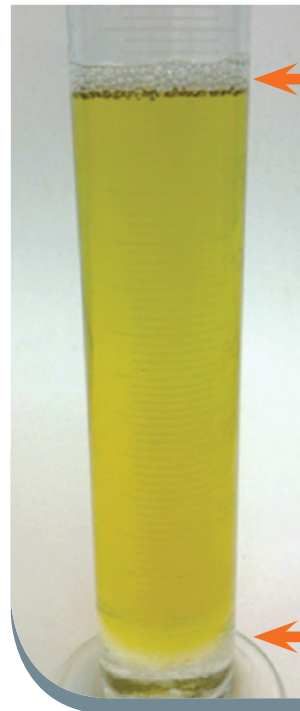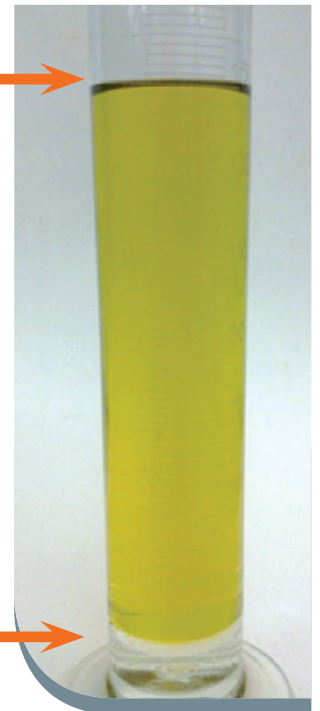Dissolving build up in fuel lines and injector nozzles will maintain optimum performance and fuel combustibility.

Flocculent (demulsifier)

Separating water from fuel. Demulsification is by far the most effective long-term water management system

Lubricant

Reducing wear rates and improving machine tolerance to degradation, counteracting low and zero sulphur fuel.

Anti Foaming agent

Foaming is reduced to assist with fuel loading times and reduce the risk of cavitation. Also improves the heat coefficient of the fuel.
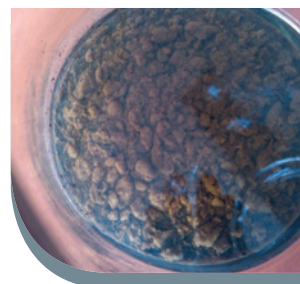
Stabiliser (rust inhibitor)

Counteracting the onset of oxidisation our stabiliser also stabilises existing rusted materials.

Biocide

Kills and prevents the growth of organisms that break down the hydrocarbon chains and reduce combustibility.

Cetane Improver

Fyrex CI has a cetane improver delivering a more uniform and complete fuel burn.

Dose rate 1: 2,000

Uneven and inconsistent injection

Even and consistent with Fyrex

Water in solution without Fyrex

Demulsified solution with Fyrex

gas oil that is not monitored without Fyrex

gas oil that has been treated with Fyrex

FUEL OIL *HFT MARINE*

FIMA HFT Marine is an ashless liquid fuel additive for Heavy Fuel Oil. HFT Marine is a multifunctional additive providing powerful sludge dispersant, fuel blend stabilization, anti-corrosive, lubricity and biocidal properties.

By achieving smaller fuel particle size and lowering surface tension, combustion efficiency and fuel economy are improved, also resulting in lower particulate emissions.

Surfactant – Lubricity Improver – Biocide (all in one)

HFT MARINE

- Dissolves existing sludge & prevents formation of new sludge
- Fuel blends are stabilized and made more homogeneous
- Prevents corrosion
- Improves lubricity, reducing friction and wear on engine components
- Cleans and keeps clean engine components
- Strong biocidal action kills and prevents fungi & bacteria growth
- Improves combustion efficiency & fuel economy
- Reduces particulate emissions
- Minimizes the need for a service operator to enter the tank
- Improves tank capacity and reduces costs by turning sludge into burnable fuel

Dose rate 1: 20,000

ENVIRONMENT

HFT HYBRID FUEL TECHNOLOGY

FOREVER GREEN

GREENHOUSE EMISSIONS

Shipping is a substantial and growing source of the greenhouse gas emissions that are named for causing climate change. Emissions from the global shipping industry account for around 1 billion tonnes P.A. The use of Hybrid Fuel Technology products will help to substantially reduce this growing concern.

CARBON FOOTPRINT

It is commonly known that a well performing engine combined with regular maintenance will help you to reduce both your operating costs and emissions .

This combined with the use of HFT products will provide you the following additional benefits.

- A Reduction in particulate emissions
- Parts replacement extended
- Less or flexible maintenance scheduling
- Extended lube oil replacement
- Less waste disposal
- Minimise express freight for emergency parts
- Reduced running costs

MADE FROM

PLANT EXTRACTS

HYBRID FUEL TECHNOLOGY EUROPE PROVIDE UNSURPASSED FUEL CONDITIONERS DESIGNED FOR SHIPPING GLOBALLY.

- Global presence and support network
- Marpol Annex VI compliant
- Meets IMO regulations
- Non hazardous - Non dangerous goods
- One product (8 benefits rolled into 1)
- Products made from plant extracts
- Formulated to solve LSFO and HSFO issues

EMISSIONS COMPLIANCE

Marpol Annex VI compliant.

With SECA / Annex VI legislation now in-place we assist maritime to deal with the introduction of low sulphur fuel to the industry. Our product is designed to overcome lubricity problems associated with ULSF (0.1%) whilst reducing SOx and particulate matter helping ship operators and owners to meet MARPOL regulations

ACCREDITATION

Hybrid Fuel Technology have ensured that they obtain accreditation, registration and compliance for their product from the relevant international agencies.

www.hybridfueltech.com