



ADIT UNITED

BETTER FUEL FOR THE FUTURE

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OUR COMMITMENT

ADIT UNITED is a global company specialising in innovative fuel conditioners, we customise real solutions with real results for our industry partners. Together with our partners and 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 the safety of the underground working environment. ADIT UNITED 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 ADIT UNITED 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, our fuel treatment products have been developing 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

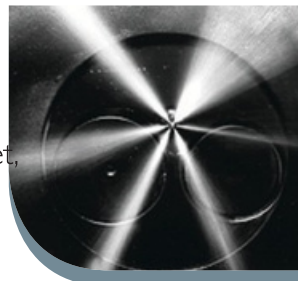
REDUCED EMISSIONS

ADIT UNITED'S 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.

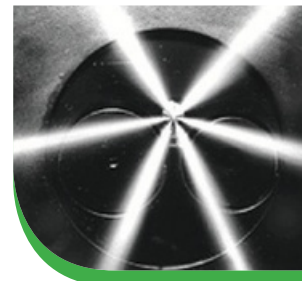
ADIT FYREX CI

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.



Uneven and inconsistent injection



Even and consistent with Fyrex

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 oxidation our stabiliser also stabilises existing rusted materials.

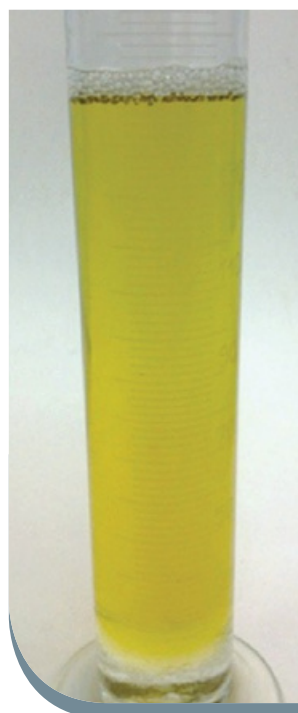
BIOCID

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

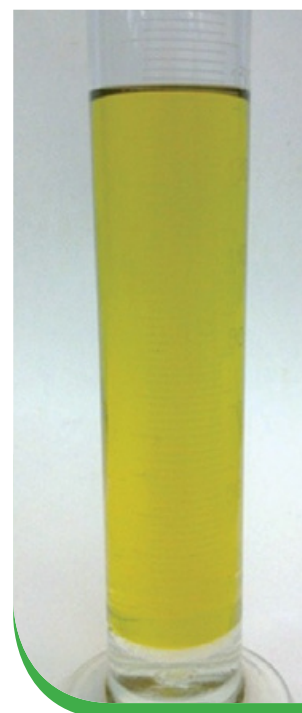
CETANE IMPROVER

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

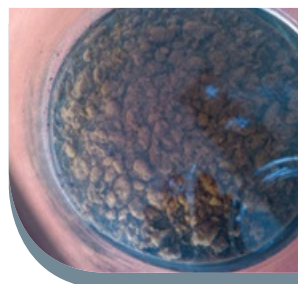
Dose rate 1: 2,000



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

ADIT UNITED Marine is an ashless liquid fuel additive for Heavy Fuel Oil. ADIT UNITED 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 – BIOCIDES (ALL IN ONE)

ADIT UNITED 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





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 ADIT UNITED 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 ADIT UNITED 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



ADIT UNITED 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

ADIT UNITED & partners have ensured that they obtain accreditation, registration and compliance for their product from the relevant international agencies.

