

## Your Engine's **Best Friend!**

This is not just another Fuel Additive - it's a complete fuel conditioner. It can treat any fuel used in any engine, either added directly in a vehicle's tank, or via a holding tank.

Sizes available cater for the individual consumer and for industrial/commercial use.



**Jerricans**  
1, 5, 25 litres  
For economy of greater quantities.



**Dosemeter Bottles:**  
250ml, 500ml, 1 litre  
For easy, accurate dispensing.

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**Exit Rust**  
Industrial  
Rust  
Converter



**Exit Grease**  
Industrial  
Strength  
Degreaser



**ACL**  
Anti-Moisture/  
Anti-Corrosion  
Lubricant



**Corro Dip**  
Rust &  
Corrosion  
Remover

## FuelSet

The complete fuel conditioner in **one** bottle

### For all applications

- Reduces harmful exhaust emissions & black smoke
- Totally removes water from fuel systems, kills and dissolves the diesel bug (Cladospirium resiniae) - no more blocked filters
- Economical 4000:1 mix ratio
- Treats all fuels: petrol, diesel, gasoil, two stroke & heating oil
- Cleans injectors & jets - removes gums, waxes, resins & acids from fuel systems
- Removes carbon build-up from combustion chambers, exhaust ports and turbines
- Prolongs the life of catalytic converters & stops the smell
- Extends filter life. Reduces expensive maintenance and downtime
- Restores lost fuel economy & improves performance
- Non-toxic, non-flammable, non-bleed, non-corrosive, biodegradable & pH neutral
- Suitable for all internal combustion engines - cars, coach & bus, road haulage, marine, agricultural etc.



**Liquid Engineering**  
[www.liquideng.co.uk](http://www.liquideng.co.uk)

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# looking after your fuel system?



# Fuel Set

Concentrated  
Fuel Conditioner  
1L



**Liquid Engineering**

# FuelSet

Fuel Set is a highly advanced fuel treatment concentrate that cleans fuel systems and combustion chambers thus causing fuel to burn more efficiently, resulting in substantial fuel savings and significant reductions in harmful emissions.

Fuel Set is the best way to improve the performance of all petrol and diesel engines, reducing engine maintenance costs and prolonging the life of engine parts. Fuel Set keeps your entire fuel system clean and contains no hydrocarbons, sulphur, phosphorous, nitrogen or metallic ingredients.

Fuel leaves the refinery in tip-top condition, but the oil companies can't control what happens to the fuel - or what it does to your engine - after the point of delivery. The one unknown quantity ruining through your engine is fuel. Control the fuel and your uncommodated engine will thrive as it was designed to - at its peak. Moisture, fungal growth, carbon and wax are all get into fuel systems, causing serious and costly damage to petrol and diesel engines.

The source of most engine problems is water - present in most fuel systems in small quantities. Left untreated, water separates from the fuel and provides an environment where fungi flourish. The diesel 'bug' is becoming more common worldwide and is a major problem. Fuel Set removes the moisture that fungi need to survive by eliminating all condensation, the most common way water finds its way into fuel systems.



Photo courtesy of Robert S. O'Brien and Walter S. Spencer

Photo courtesy of Nelsko

Fuel Set does not resort to highly-toxic biocides. The detergent nature of Fuel Set helps disperse clumps of dead bug, significantly reducing clean-up time in the aftermath of fungal infestation. Regular dosing protects against this costly and annoying problem.

Water also reacts with chemicals in fuel at the point of combustion, which causes gums, resins and contaminants to separate and foul fuel systems, especially injectors. Absorbing the water into the fuel/Fuel Set mixture allows any water present to be burnt off harmlessly into the atmosphere.

## Filters

Fuel Set prolongs fuel filter life and maintains fuel in the best possible condition. Water can seriously degrade certain types of fuel filters.

## Injectors / Carburettors

Engine parts - fuel pumps, injectors and jets - operate within fine tolerances. It is easy to understand how contaminants cause power loss, increased fuel consumption, higher exhaust emissions and general deterioration of fuel systems and engines.

## Carbon / Sump Oil

Fuel Set improves the efficiency of lubricating oils by removing and preventing carbon deposits from combustion chambers, exhaust ports / passages and turbines.

Uncontaminated lubricating oil promotes extended engine life. Fuel Set is effective in removing contaminants such as waxes, gums and carbon, resulting in smoother running, more complete combustion and much improved fuel efficiency.

## Application

When used in an economical 4000:1 mix ratio, Fuel Set will maintain clean and sterile conditions throughout the fuel system. All this is achieved by a product that is: non hydrocarbon, non-flammable, non-toxic and pH neutral.

## Technical Specifications

**pH neutral** Fuel Set is pH neutral and contains no hydrocarbons, sulphur, phosphorous, nitrogen or metallic ingredients.

**Normal** Under normal conditions of combustion it will burn to form CO<sub>2</sub> (carbon dioxide) and H<sub>2</sub>O (water)

**Hydrocarbon Fuels** Used in hydrocarbon fuels at a dose rate of 4000:1 it causes the fuel to burn more efficiently with a consequent fuel saving and a significant reduction in harmful emissions.

## Fuel Set and Emissions

We would expect Fuel Set to have the following effects on emissions:

**Sulphurous Oxides** No effect.

**Nitrous Oxides** No effect.

**Carbon Emissions** HC (unburnt hydrocarbons) will be significantly reduced. These are generally caused by unburnt fuel vapourising into the atmosphere. Fuel Set will make a significant reduction in these.

**Carbon Monoxide** CO will reduce as the cleaner burn means that a higher conversion to CO<sub>2</sub> will occur in the combustion chamber rather than in the atmosphere. CO<sub>2</sub> will increase due to the reduction in CO.

**N.B.** This assumes no change to Air/Fuel Ratio.

**Sulphur** Fuel Set will not allow sulphur to form sulphurous acids, which are the cause of corrosion and build-up of waxes. This has a less detrimental effect on the environment.

