

Fuel Doctor applications

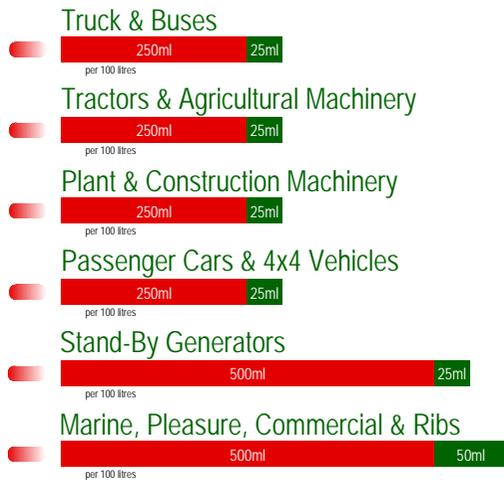
Fuel Doctor has been successfully used for many years by many customers with a wide variety of fuel handling systems and fuels including:

- Diesel
- Unleaded Petrol
- Two Stroke
- Premium Unleaded
- Heating Oil

Fuel Doctor dosage rates

When applying the "Fuel Doctor" additive for the first time the fuel tank should receive a **initial shock** dose which may have to be repeated if contamination is severe. After this initial treatment a lesser **maintenance dose** should be applied immediately before each refill. To prevent reoccurrence, maintain optimum cleanliness and performance.

Suitable for engines and fuel systems in:



If you are not running your engine for a long period, fill your fuel tanks and double dose with Fuel Doctor this time. Also if you have just bought a used or new boat/vehicle or unsure of your fuel quality, then again double dose using the above guide.

Fuel Doctor is economical

Fuel Doctor's concentrated fuel conditioner is extremely economical. A maintenance application dose costs less than one pence per litre to the cost of treated fuel. Based on recommended treatment rates, it is one of the most cost effective products on the market - its true value is reflected in rectifying and preventing fuel system and engine failure.

About Fuel Doctor

Established in 1994, Fuel Doctors Australia is the manufacturer of Fuel Doctor. They also provide a wide range of preventative maintenance services related to fuel systems.

Since January 2004, Fuel Doctor has been distributed in Europe by Expresslube (UK) Ltd. Expresslube (UK) Ltd are specialists in fuel polishing and tank cleaning, they also provide a number of services; fuel sampling, fuel analysis and integrity testing/inspection.

For specific application advice including Technical Data and Material Safety Data Sheets, please contact Expresslube (UK) Ltd on: (+44) 01444 254115



Authorised Fuel Doctor Agent

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Achieve

maximum power,
optimum fuel economy
& prevent fuel system
contamination with....



optimum combustion
minimum pollution
fuel doctor

- Cleans injectors & carburettors
- Eradicates bacteria & fungal growth
- Disperses moisture
- Dissolves gum & varnish





How fuel becomes contaminated

Water is the most common form of fuel contamination. Water acts as a host media by which many different types of spores are transported. These spores will germinate at hydrocarbon interfaces.

In their mature form these various organisms called either Black Death, Cladosporia or Hormoconis Resinae survive by the absorption of oxygen from the water and the extraction of "nutrients" from the fuel. These organisms multiply rapidly into thick biomass. Their sulphur-rich waste, when mixed with water produces a corrosive Organo-acid that can affect all parts of the fuel system.

If agitated, the waste will react with both the fuel and water, forming an emulsion.



The damage that follows

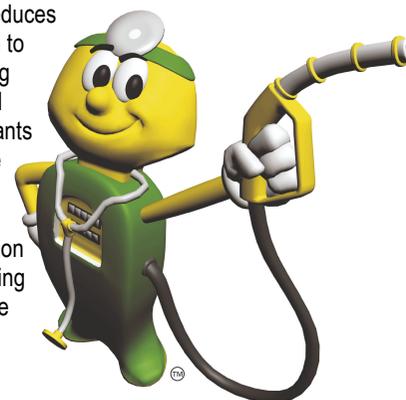
Contaminated fuel will seriously compromise pump and injector service life. Corrosion damage to fuel system components can become so severe that removal and replacement is the only option. Operational problems occur when contaminated fuel passes through the engine.

The waste accelerates fuel system corrosion from fuel tank to injector tips. Organisms can enter fuel delivery lines via pick-up points, clogging normal fuel flow, leading to fuel starvation and misfiring, contributing to specific power loss, increased fuel consumption and exhaust emissions.

Impacted fuel when agitated will produce an emulsion consisting of all the contaminants that will eventually plug your filters, decreasing and ultimately preventing fuel flow.

Fuel Doctor removes contaminants

Fuel Doctor's unique formula reduces free water and microbial growth to microscopic particles, discharging them evenly throughout the fuel stock, allowing these contaminants to be passed safely through the combustion process before building to harmful proportions. Fuel Doctor inhibits contamination accumulation, therefore protecting the fuel systems from premature failure.



optimum combustion
minimum pollution

fuel doctor

Keeping the air clean

Treating your fuel tank regularly with Fuel Doctor also controls the build-up of gums and varnish that occur throughout the fuel system, removing deposits that are formed at the valves and injectors due to their higher temperature and pressures.

Fuel Doctor's synthetic formulation effectively dissolves these deposits ensuring delivery of the specified amount of fuel in a correctly atomised form to each cylinder.

Fuel Doctor keeps system clean

Fuel Doctor maintains fuel efficiency and engine performance by keeping the fuel system clean and dry. Improved injector and valve efficiency promotes optimum combustion reducing unburned fuel that presents as soot, smoke and other emissions. This will lead to improved power performance and life for your engine.

Composed of carbon, oxygen and hydrogen, Fuel Doctor cannot contribute to air pollution and has no detrimental effect to oxygen sensors, O-rings, catalytic converters or finely machined injector components.

Using Fuel Doctor will minimise incomplete combustion and maximise engine lubricant performance and longevity. Fuel Doctor's "slippery" characteristics provide excellent upper cylinder lubrication.