

## **Fuel Magic testing protocol**

### **Treating the Fuel**

**Fuel Magic is super concentrated. Each 60ml squirt bottle will treat 180 liters of diesel fuel or 300 liters of petrol.**

Fuel Magic has an attraction to the surfaces inside the tank and is self-mixing. It can be added either before or after fueling.

When adding Fuel Magic to a tank for the first time it is recommended to add approximately 20% more to assure that enough product is available to enter the engine combustion chamber. After that, the normal treatment ratio can be used.

You can estimate how much Fuel Magic to use by the markings on the bottle. It is not critical to use an exact amount. Using too much will not harm the engine. Using too much product is only wasteful and will not improve the performance of Fuel Magic.

### **Testing in Diesel Power Generation Equipment and Vehicles**

Engines that are run continuously for long periods of time, such as those found in diesel generators, can develop very large amounts of combustion deposits inside the cylinders, particularly when used with lower grade fuels. This creates poor combustion, wasted fuel, increased pollution and often results in noise and excessive shaking of the generator. Use of Fuel Magic will remedy these problems.

Fuel Magic's combustion modifier will begin to work immediately to improve the fuel burn, while a thin film penetrates combustion deposits and removes them with each firing of the engine. This film also adds much needed lubrication to the inside of the combustion chamber.

Allowing Fuel Magic to work, the results can be noticeable within 20 minutes or sometimes after an hour or so of running. The engine will run smoothly with reduced shaking and generate more power. Engine performance will continue to improve for several weeks as Fuel Magic is used.

If you already have a baseline measurement of fuel usage per hour or per kilometer you can compare it to the fuel usage after Fuel Magic is applied. The fuel consumption of the engine will decrease and engine fuel efficiency will continue to increase over several weeks as Fuel Magic removes the hardened combustion deposits.

In testing vehicles, the many driving variables can make fuel economy more difficult to establish. If you have emissions testing equipment you can more quickly see how well Fuel Magic is working. Measure exhaust emissions before using Fuel Magic, immediately thereafter, and after several hours of running. You will see an immediate and continuous decline in carbon emissions. This means that the fuel is being burned more efficiently with less waste in the form of pollution.

Fuel Magic will provide many long term benefits as it eliminates corrosion and algae growth in fuel tanks and preserves the power of fuel in storage. It will also reduce the friction wear on fuel pumps, injectors, pistons and the combustion chambers.

Fuel Magic is also effective in 2-stroke and 4-stroke petrol engines, turbine engines and liquid heating fuels.