

## NO MORE BLACK SMOKE ??

### *Why do most diesel trucks & buses no longer belch black smoke?*

About 15 years ago, international communities agreed to try to improve the quality of the air that we breathe. Diesel fuel was identified as one of the main contributors to the worsening air pollution.



Most of the "first world" countries agreed to work towards reducing the Sulphur levels in Diesel down to less than 15 ppm (from around 1500 ppm). By 2010, most countries had reached this goal and the general air quality has become noticeably cleaner.

#### **By 2009**

Australia - less than 10 ppm

Europe - less than 10 ppm

USA - less than 15 ppm

#### **By 2013**

China - less than 150 ppm

Beijing - less than 10 ppm

**Sweden - to be Zero (less than 1 ppm) by 2003**

Major oil companies achieved these lower levels by further refining of the fuel and "Diesel" is now referred to as **Ultra Low Sulphur Diesel (ULSD)**.

The naturally occurring sulphur contributed to Diesel's stability and lubricity properties. However, by reducing the level of sulphur, Diesel has now become less stable and starts to break down much more quickly than in the past.

This is commonly called "**Accelerated Ageing**" and can be detected within 30 days after refinement!



Various stabilizers, antioxidants, fungicides, biocides, water emulsifiers, etc. are now available to be added to diesel tanks. Manufacturers recommend various dosage rates and frequencies, plus storage conditions can vary greatly. (e.g. outback mine sites; marinas; tropical humidity; basements).

Maintenance personnel can find this to be a complicated and time-consuming task to manage, but it doesn't have to be.

An automatic **Diesel Fuel Maintenance System** can be specified and installed onto any size bulk storage tank.

These systems ensure that Diesel fuel is ALWAYS clean & dry and ready to use.

**"CONTACT US FOR AN OBLIGATION FREE CONSULTATION OR VISIT"**

***"When the lights go out.....it's too late to clean your fuel"***