



## The advantages of the chemical treatment of your road and non-road diesel fuels

Beyond stabilizing diesel fuels and to ensure their integrity, **Actioil A550** :

Optimizes and stabilizes the fuel present in the tank

Combustion is improved

The engine is protected

Engine performance is restored

Maintenance costs are decreasing

The environment is preserved

They trust us around the world and they are our partners



Your retailer

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Maintain the stability and integrity of your fuel, ensure the efficiency of your equipment



**Actioil, The Friend of the Air**

### APPROVALS

A550 is a product designed and manufactured by Actioil. Complies with the European REACH standard. A550 is registered at the Institut National de la Recherche Scientifique INRS No. 101423. Marketing Authorization No. 11410. A550, trademark and model registered with the INPI.

**A550**  
Diesel treatment, by **Actioil**

- ▶ Engine protection
- ▶ Fuel Optimization
- ▶ Lower maintenance costs Cleaning of storage tanks
- ▶ Up to 6% fuel economy

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[www.actioil.com](http://www.actioil.com)



## Why treat diesel?

### Causes

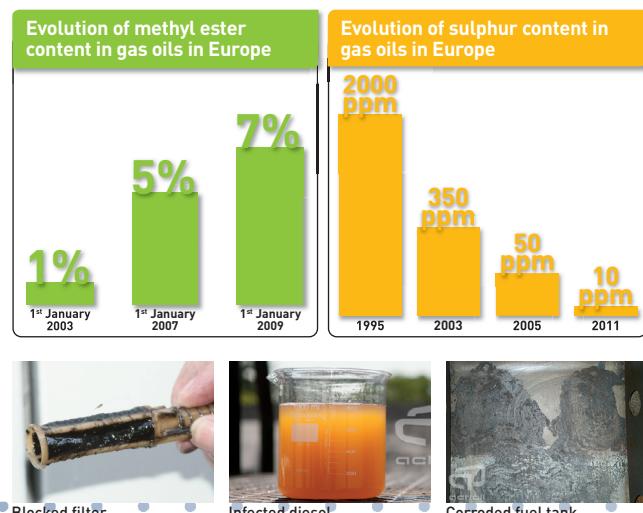
Because diesel can contain :

- ▶ Water
- ▶ Sediment (sludge)
- ▶ Vegetable oils (EMAG)
- ▶ Less and less sulphur

Because atmospheric conditions and the return of hot fuel in the tanks generate condensation (= water).

### Consequences

- ▶ Fuel destabilization (oxidation)
- ▶ Appearance of gums, varnishes and solid particles
- ▶ Sealing of filters, malfunction of pumps and injectors
- ▶ Proliferation of microorganisms (bacteria, yeasts, fungi)
- ▶ Corrosion of metal tanks and erosion of resin or fiberglass tanks



The properties of diesel fuel deteriorate and engine performance degrades

## Versatile and non-aggressive: The Actioil A550 treatment

### Actions:

- ▶ Fuel actions:
  - ▶ Increase lubrication
  - ▶ Optimizes its qualities (cetane index) Prolongs oxidation stability
  - ▶ Improves its stability in the cold
  - ▶ Dissolves sludge and sediment
- ▶ Atomises water particles
- ▶ Inhibitor of bacteria, prevents the formation of bacteria
- ▶ Preserves the operation of pumps and injectors Protects the tank from corrosion or erosion by deposition of a protective film
- ▶ Prevents clogging due in part to biofuels

### Résults:

- ▶ Tanks without corrosion or erosion
- ▶ A cleaned fuel, regaining its initial performance
- ▶ Reduced polluting emissions
- ▶ Protected engines, restored fuel consumption and performance

### Removes

- ▶ Microorganisms
- ▶ Loss of power
- ▶ Overconsumption
- ▶ Scrub of injector needles

### Protect

- ▶ Injection pump
- ▶ Injectors
- ▶ Fuel Tanks
- ▶ Fuel system

## Ease of use and duration of the action

### General treatment

- **Euro 1 – 2 – 3 – 4 – 5**

1 L of Actioil A550 per 100L of diesel to be poured into the tank before filling.

- ▶ Protection 1 year, +/- 100,000 km or 600 hours of work.

- **Euro 6**

0.5 L of Actioil A550 per 100L of diesel to be poured into the tank before filling.

- ▶ To be renewed 2 times a year, +/- 50,000 km or 300 hours of work.

### Treatment of storage tanks

Actioil A550 cleans and protects fuel storage.

Dosage: 3 L of A550 per 1000L of fuel, to be poured into the tank before filling. Wait 2 hours before commissioning.

- ▶ After one year apply the procedure of preventive treatment to 1 liter of Actioil A550 per 1,000 liters of fuel.

### Extreme Cold Treatment

Between 1 L and 4 L of Actioil A550 per 1000 L of tank capacity, to be poured before filling the latter. Treatment should preferably be carried out before the onset of extreme cold. The quantity of product will be fixed with the help of an Actioil technical delegate.

- ▶ Protection against diesel freezing from -21°C to -28°C, tests carried out by SGS.

