

ROTHEN BIO POLAR

Antiparaffine Additive For Diesel

DESCRIPTION

ROTHEN BIO - POLAR is a specific additive for the winter treatment of automotive fuel containing biodiesel. It has been designed to prevent both the crystallization of paraffins in the diesel, and those problems arising or exacerbating by biodiesel, such as freezing, biodegradation, and the tendency to form deposits during storage.

APPLICATIONS

ROTHEN BIO - POLAR is an additive especially recommended when the temperatures fuel may reach would tend to initiate a process of crystallization of the paraffins contained in the fraction of oil of petroleum origin.

The presence of biodiesel, along with a low sulfurous content, makes the currently distributed diesels (in most oil companies' service stations) more susceptible to degradation, resulting in the formation of deposits that clog the pipes and block filters.

ROTHEN BIO - POLAR is also formulated with special additives that provide superior stability of the oil during the entire working cycle, including seasonal breaks, and long periods of storage. Such feature makes it particularly suitable for the use with "artic" diesel fuels with a filterability limit (CFPP) of $-18/22^{\circ}\text{C}$.

USES

ROTHEN BIO - POLAR is added to diesel at a percentage of 1-2 ‰. It must be added in the tank of the car, preferably before refueling, or into the storage tank.

Laboratory tests have shown that adding 1 ‰ ROTHEN BIO POLAR to automotive diesel fuel may lower the CFPP up to -20°C , and up to -25°C at 2 ‰ if compared with the average -12°C standard winter diesel (UNI EN 590). However, in case of "artic" diesel usage, it is enough to add 0,5 ‰ BIO POLAR to reach a lower than -30°C CFPP temperature.

PERFORMANCE

- Provides a better fuel behavior at cold and a correct engine operation;
- Destroys and prevents the formation of microorganisms in fuels, avoiding the formation of sludge;
- Inhibits the oxidative processes, in particular by improving the resistance to the oxidation of biodiesel;
- It is compatible with all treatment systems of exhaust gases.

TYPICAL PHYSICAL-CHEMICAL CHARACTERISTICS: (*)

FEATURE	UNIT OF MEASURE	METHOD	OUTCOMES
Aspect	---	Visual	Liquid
Density at 20°C	g/cm^3	ASTM D 1298	935
Inflammability point	$^{\circ}\text{C}$	ASTM D 93	> 65

(*): The values are based on typical production, and may consequently vary.