

ROTHEN EVOLUZIONE PREMIUM

Transport Diesel's Performance Improver Additive

DESCRIPTION

ROTHEN EVOLUZIONE PREMIUM is a special additive developed to significantly improve the performance of traditional transport diesel (containing bio - diesel and in conformity with EN 590/2009) and making it **premium** quality. The product can be used as multifunctional additive/anti-algae in all types of diesel, eco-diesel and turbocharged engines.

PROPERTIES

Combustion Improver

ROTHEN EVOLUZIONE PREMIUM makes combustion more complete and homogenous, reducing the detonation of the diesel engine, improving cold start performance and lowering noise levels.

Reduce Environmental Impact

The high atomisation and the increase of cetane numbers, together with the presence of specific additives, help improve the fuel combustion and reduce pollutant emissions, smoke and particulates.

Deterget Power

The detergents/dispersants present in **ROTHEN EVOLUTION PREMIUM** ensure thorough cleaning of the engine's metal parts and, in particular, of the hottest. By removing and dispersing deposits, the optimum cleaning of injectors and a greater engine's efficiency are guaranteed.

Extra Lubricity

ROTHEN EVOLUZIONE PREMIUM contains a mixture of surfactants lubricants which compensate for the low content of sulfur present in normal diesel fuel. This helps protect the pump and injectors from premature wear.

Protective Properties

ROTHEN EVOLUZIONE PREMIUM guarantees effective control of condensation water, ensuring the protection of the injection system. This is consequently preserved from processes of oxidation and corrosion.

Anti-foaming Properties

ROTHEN EVOLUZIONE PREMIUM reduces foam's formation up to 50% by optimizing supply and shortening dwelling times.

Anti-bacterial Properties

Biological degradation and bacterial growth given by the presence of bio-diesel initiate a process of gasoline deterioration which can have extremely negative consequences. **ROTHEN EVOLUTION PREMIUM** contains a broad-spectrum bactericidal able to protect from biological degradation and bacterial growth.



BENEFITS

ROTHEN EVOLUZIONE PREMIUM regular use helps:

- Reduce fuel consumption to an appreciable extent (about 3-4%);
- Increase cetane numbers, and thus maximize the power delivery;
- Reduce smoke and emissions and therefore the environmental impact;
- Increase engine's life;
- Protect the power system from biological degradation, thus avoiding the clogging of filters;
- Protect the engine against premature wear due to modern diesel's low-sulfur content;
- Reduce foaming during refuelling;

Laboratory tests have shown that by adding 1 ‰ ROTHEN EVOLUZIONE PREMIUM in fuel, the cetane number increases by 2 points. At 2 ‰, it increases by 3/4 points.

USAGE

ROTHEN EVOLUZIONE PREMIUM can be added directly into roadside petrol stations' fuel storage tanks or in vehicles' tanks, preferably before refueling. It is recommended to add the product at a percentage of 2.1 ‰ (per thousand).

TYPICAL CHEMICAL-PHYSICAL CHARACTERISTICS (*)

CARACTERISTIC	METHOD	UNIT OF MEASURE	OUTCOME
Density at 15°C	ASTM D 1298	g/cm ³	0,860 – 0,890
Viscosity at 40°C	ASTM D 445	mm ² /s	2,65
Pour Point (PMCC)	ASTM D 93	°C	68

(*): These values are based on current production and may be subjected to changes.

