ROTHEN SPECIAL
Engine Oil Additive

DESCRIPTION
ROTHEN SPECIAL is a multifunctional preparation consisting of antioxidants, antiwear, detergents, friction modifiers additives, and high shear strength polymers. It 'was specifically designed for the treatment of both diesel and petrol worn engines, even belonging to the new generation.

APPLICATIONS
ROTHEN SPECIAL can be used as multifunctional additive for both diesel and gasoline engines.
It is especially recommended in the following cases:

drop in performance caused by excessive and / or premature wear;
high level of engine noise;
decrease in pressure and excessive oil consumption;
excessive exhaust smoke;
loss of compression.

Regular use of the product prevents the occurrence of the above problems, also providing greater mileage and engine life.

USAGE
The product should be added directly to the lubricant in use at 20-30% percentage. **ROTHEN SPECIAL** is compatible with both mineral-based and synthetic lubricants.

PERFORMANCE
Strong detergents

The detergents present in the additive package allow to restore the essential alkaline reserve for the neutralization of strong acids, resulting from combustion, thus avoiding premature wear chemical (fretting corrosion).

Antioxidant power

ROTHEN SPECIAL renews the lubricant's ability to block the processes of oxidation which would cause irreversible degradation, with consequential loss of essential services.

Viscosity Index Increase

The polymers characterized by a high shear resistance increase the lubricant's ability to limit the decrease in viscosity due to an increase in temperature. Consequently, this oil increases heat sealing, reduce leakage, improve compression and reduce consumption. Even the possible noise may be benefited.

Friction modifiers and anti-wear

The ability to reduce friction allows for better engine performance and energy savings.

TYPICAL PHYSICAL-CHEMICAL CHARACTERISTICS: (*)

FEATURE	UNIT OF MEASURE	METHOD	OUTCOME
Density at 15°C	Kg/l	ASTM D 1298	0.900
Flammability point	°C	ASTM D 93	>200
Viscosity at 25°C at 40°C	mm^2/s	ASTM D 445	 520 310

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

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