



eni Rotra FE

eni Rotra FE is a fuel efficient gear oil formulated with synthetic basestocks with particular EP characteristics and an exceptional viscosity-temperature curve which guarantees high fluidity at the lowest temperatures.

The product in 75W-90 grade is specifically formulated for satisfying level of performance for lubrication of gearbox-differential systems (typical 'transaxle' configuration) of Audi and Volkswagen front-wheel drive cars.

CHARACTERISTICS (TYPICAL FIGURES)

eni Rotra FE

SAE Grade		75W-80	75W-90
Viscosity at 100°C	mm ² /s	9,4	16,0
Viscosity at 40°C	mm ² /s	50	92
Viscosity at -40°C	mPa.s	70000	73000
Viscosity Index	-	170	182
Flash Point	°C	185	188
Pour Point	°C	-45	-45
Mass density at 15°C	kg/l	0,865	0,868

PROPERTIES AND PERFORMANCE

- eni Rotra FE is a multigrade lubricant with synthetic base oil that performs significant advantages in comparison with conventional gear oils. Specific high-pressure additives ensure excellent lubrication also under extreme conditions such as high surface pressures and high sliding friction between the tooth flanks of the gear wheels.
- Due to the high natural viscosity index of the synthetic base oil a limited use of viscosity improving agents has come necessary. Less volatility and higher temperature stability are achieved together with better lubrication properties. The special agents used in the formulation guarantee the best corrosion protection and low foam tendency. Thanks to its multigrade viscosity, an optimal lubrication performance is made possible either at low and high temperatures. A reduced friction coefficient has been fine tuned in order to address the oil fuel saving characteristics.
- The excellent oxidation stability prevents an early oil ageing and viscosity increase. Shifting problems and development of noise in the manual transmission at low temperatures are efficiently resisted.
- Warning: the product is not to be used in applications where API GL-5 performance is required.

SPECIFICATIONS

eni Rotra FE is officially approved or meets the requirements of the following specifications:

- API GL-4
- ZF TE ML 17A level (75W-80)
- VW 501.50 (G50) (75W-90)