

# TURBOGRADO EXTRA 15W-40



AUTOMOTIVE

Lubricants

## Description

Multigrade type THPD (Top High Performance Diesel) lubricant oil meeting the needs of latest generation engines (ACEA E7 and API CI-4) and outperforming SHPD. Recommended for engines complying with EURO IV and older regulations.

## Properties

- Its extraordinary detergent-dispersant power avoids the formation of sludge when cold and eliminates lubricant duct and oil filter clogging.
- Disperses sludge, combustion residue and rust, stops the formation of deposits in segments and varnishes at high temperatures.
- Multigrade oil which facilitates ignition in cold conditions, reduces wear of metal engine parts and maintains the right levels of pressure in all working conditions.
- Its alkaline reserve (TBN) provides protection over long periods of use by neutralising the acids formed in the combustion of diesels with different sulphur content.
- Avoids polishing cylinder jackets, so typical in high-power supercharged engines.

## Quality levels, approvals and recommendations

- API CI-4/CH-4/SL
- ACEA E7

## Technical characteristics

	UNIT	METHOD	VALUE
SAE GRADE			15W-40
Density at 15 °C	g/ml	ASTM D 4052	0.883
Viscosity at 40 °C	cSt	ASTM D 445	110
Viscosity at 100 °C	cSt	ASTM D 445	14.7
Viscosity at -20 °C	cP	ASTM D 5293	7000 max.
Viscosity index	-	ASTM D 2270	125 min.
Flash point	°C	ASTM D 92	225 min.
Freezing point	°C	ASTM D 97	-27 max.
T. B. N.	mg KOH/g	ASTM D 2896	10.0
Bosch Injector Shearing: Viscosity at 100 °C after shear	cSt	CEC-L-14-93	12.5 min.
Noack volatility, 1 h at 250 °C	% in weight	CEC-L-40-93	13 max.

The above mentioned characteristics are typical values and should not be considered product specifications.

A safety data sheet is available on request.

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