

# TURBOGRADO 15W40

AUTOMOTIVE

Lubricants



## Description

Multigrade oil lubricant recommended for all types of diesel engines, both naturally aspirated and forced induction. The oil is formulated with additives that strengthen the detergent and dispersant power to ensure a cleaner engine, meeting with the demands of vehicle manufacturers.

## Properties

- Multigrade oil facilitating ignition at cold temperatures and reducing metal wear in the engine.
- 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.
- 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.
- Maintains the right level of pressure for all working conditions.

## Quality levels

- API CH-4/ SJ
- ACEA E5

## Technical specifications

	UNIT	METHOD	VALUE
SAE GRADE			15W40
Density at 15 °C	g/ml	ASTM D 4052	0,885
Viscosity at 40 °C	cSt	ASTM D 445	108
Viscosity at 100°C	cSt	ASTM D 445	14,8
Viscosity at -20 °C	cP	ASTM D 5293	7000 max.
Viscosity index	-	ASTM D 2270	125 min.
Flash point	°C	ASTM D 92	215 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, 1hr at 250°C	% in weight	CEC-L-40-93	13 max.

A safety information file is available on request.

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Technical data sheet for Lubricants. Revision 2. November 2015.