



## Description

Multigrade lubricant oil suitable for all diesel engines, naturally aspirated and forced induction. It is formulated for all Euro III and lower vehicles, as well as agricultural or civil works machinery.

## Properties

- High detergent and dispersant capacity that prevents the formation of sludge in cold weather, preventing obstructions in lubricant tubes and the resulting clogging of the oil filter.
- Its alkaline reserve (TBN) ensures a long service life by neutralising acids formed from the combustion of diesel with varying sulphur content.
- Maintains adequate pressure under all service conditions.
- Prevents wear on cylinder liners that usually occurs in high-powered forced-induction engines.

## Quality levels, approvals and recommendations

- ACEA E2
- API CF-4, CE
- MB 228.1

## Technical specifications

	UNIT	METHOD	VALUE
SAE Grade			20W-40
Density at 15 °C	g/cm <sup>3</sup>	ASTM D4052	0.889
Kinematic viscosity at 40 °C	cSt	ASTM D445	107
Kinematic viscosity at 100 °C	cSt	ASTM D445	13.7
CCS Viscosity at -15 °C	cP	ASTM D5293	<9,500
Viscosity index	-	ASTM D2270	119
Flash point, open cup	°C	ASTM D92	>215
Pour point	°C	ASTM D97	-21
Noack volatility, 1h at 250 °C	% in weight	CEC L-40-93	<13
Shearing Inj.Bosch: Vis 100 °C (30 cy)	cSt	CEC L-14-93	>12.5
TBN	mg KOH/g	ASTM D2896	10.0

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