

LEADER A3/B4

Description

Multigrade lubricating oil for use in engines of cars and light commercial vehicles. It combines high resistance to oxidation to optimise the change period. The lower viscosity oil (fully synthetic) facilitates vehicle starting, thus reducing wear. The SAE 15W-40 oil combines synthetic and mineral base oils.

Properties

- Synthetic and mineral based multigrade oil; it can be used in the petrol and diesel engines of most vehicle manufacturers.
- Its outstanding features include resistance to the formation of deposits at high temperatures and of sludge at low temperatures, thus keeping the engine clean and increasing its durability.
- As a lubricant it is resistant to the loss of viscosity that occurs with some multigrade oils during their use. Thus the engine is kept properly lubricated during the entire period that the oil is used.

Quality levels, approvals and recommendations

- API: SN/CF* (10W-40)
- ACEA: A3/B4 (10W-40, 15W-40)
- API: SL/CF (15W-40)
- *Formal approval

Technical specifications

	UNIT	METHOD	VALUE	
SAE Grade			10W-40	15W-40
Density at 15 °C	g/cm ³	ASTM D4052	0.870	0.871
Viscosity at 100 °C	cSt	ASTM D445	14.5	14.6
Viscosity at 40 °C	cSt	ASTM D445	98.7	107.0
Viscosity index	-	ASTM D2270	149	141
Flash point, open cup	°C	ASTM D92	226	228
Pour point	°C	ASTM D97	-42	-27
TBN	mg KOH/g	ASTM D2896	>10	10.4
Noack volatility, 1h at 250 °C	% in weight	ASTM D5800	8	11.2

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