

LEADER SUPER 20W-50

Automotive

Description

Synthetic blend multigrade lubricant oil recommended for petrol and diesel car engines, whether equipped with a catalyst or not. Its main characteristics include its resistance to shearing. It provides excellent service on the road, motorway and in the city. ELITE SUPER 20W-50 meets the demands of the main car manufacturers, and in addition to having the right viscosity to work at high temperatures, it is characterized by its low consumption and good detergent and dispersant properties.

Properties

- Engine tests conducted to pass the quality levels of MB group manufacturers ensure engine cleanliness throughout the oil use period.
- Good protection against oil oxidation, preventing the formation of lacquers or varnishes.
- Maintains adequate viscosity at high temperatures, and the nature of its base oils leads to low lubricant consumption.
- Specially recommended for high mileage vehicles due to its excellent behavior against friction at high temperature, and its reduced consumption.

Quality levels, approvals and recommendations

- API SL/CF*
- ACEA A3/B4
- MB 229.1

*Formal approval

Technical specifications

	UNIT	METHOD	VALUE
SAE Grade			20W-50
Density at 15 °C	g/mL	ASTM D 4052	0,88
Viscosity at 100 °C	cSt	ASTM D 445	18,5
Viscosity at 40 °C	cSt	ASTM D 445	160
Viscosity at -15 °C	cP	ASTM D 5293	9500 max.
Viscosity index	-	ASTM D 2270	130
Flash point, open cup	°C	ASTM D 92	210 min.
Pour point	°C	ASTM D 97	-27
T.B.N.	mg KOH/g	ASTM D 2896	10,8

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Sulphated ashes	% weight	ASTM D 874	1,6
Bosch Injector Shearing: Viscosity at 100 ° C after shear	cSt	CEC L-14-93	16,3 min.
Noack volatility, 1hr at 250 °C	% weight	CEC L-40-93	13 max.

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