





**Motor Oil** 

#### **LEADER SUPER 20W-50**

### **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. LEADER 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

· ACEA A3/B4

• MB 229.1

· API SL/CF\*

\*Formal approval

# **Technical specifications**

	UNIT	METHOD	VALUE
SAE Grade			20W-50
Density at 15 °C	g/cm3	ASTM D4052	0.886
Kinematic viscosity at 40 °C	cSt	ASTM D445	160
Kinematic viscosity at 100 °C	cSt	ASTM D445	18.5
CCS Viscosity at -15 °C	сР	ASTM D5293	<9,500
Viscosity index	-	ASTM D2270	130
Flash point, open cup	°C	ASTM D92	>210
Pour point	°C	ASTM D97	-27
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	>16.3
Sulphated ashes	% in weight	ASTM D874	1.6
TBN	mg KOH/g	ASTM D2896	10.8

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