

LBR X SAE 20W-50 API SP

MULTIGRADE MINERAL OIL FOR GASOLINE ENGINES

DESCRIPTION

Formulated for today's engine designs. LBR X SAE 20W-50 API SP is a mineral oil that offers optimum engine protection and performance. Made with mineral base stocks and advanced chemistry that provides excellent protection against wear and oxidation, while improving oil properties over time, retaining viscosity, friction and anti-wear benefits despite high operating temperatures inside the engine. Designed to improve fuel economy and enhance power and acceleration. Designed to improve power and acceleration. Designed for extreme hot and cold driving conditions: stop and go, frequent short trips. Meets API SP requirements.

BENEFITS

- **Minimizes LSPI.**
Protects modern TGDl and GDI engines against severe damage caused by LSPI (Low Speed Pre-Ignition). Technology that reduces up to 5 times the probability of a pre-ignition event occurring at low speed.¹

- **Extended drainage.**
Reduces maintenance costs due to its complete protection in extreme conditions. Prevents the accumulation of sludge and deposits in the engine thanks to its detergent and dispersant technology.
- **Wear protection.**
Antifriction technology that controls metal-to-metal wear. Excellent fluidity at low temperatures facilitating starting in cold climates.

SPECIFICATIONS

- API SP

APPLICATIONS

LBR X SAE 20W-50 API SP is recommended for service in gasoline engines of late model and older vehicles with additional protection against pre-ignition at low speeds. Consult your vehicle manual for the correct viscosity grade.

1. According to the results obtained in Sequence IX.

CHARACTERISTICS

TESTS	TEST METHOD	TYPICAL VALUE
SAE Grade	J300	20W-50
Appearance	Visual	Bright
Color	ASTM D1500	3.5
Density @ 20°C, g/cm ³	ASTM D4052	0.88
Kinematic Viscosity @ 40 °C, cSt	ASTM D445	176
Kinematic Viscosity @ 100 °C, cSt	ASTM D445	19
Viscosity Index	ASTM D2270	123
Flash Point COC, °C	ASTM D92	238
Pour Point, °C	ASTM D97	-24
TBN, mg KOH/g	ASTM D2896	7
Cold Cracking Simulator CSC, cP @-20°C	ASTM D5293	8600
Foam Tendency mL, máx.	ASTM D892	
Sequence I		10/0
Sequence II		50/0
Sequence III		10/0

Typical Characteristics are those obtained with normal tolerance of production and no constitute a specification. Variations that do not affect the yield product during the normal manufacturing and on different mixing locations are expected. Information contained in this document is held to changes without previous advisement. The availability of the products could vary depending on the location. For further information, contact venta@lubral.com