

Automotive lubricants. Light motor vehicles.

Xtar Full 20W-50



Key information

- Lubricant formulated with synthetic technology.
- Turbocharged and direct injection gasoline, diesel, or natural gas (LPG/CNG) engines without particulate filters.
- Compatible with biofuels (biodiesel, ethanol, etc.)
- Protection against low-speed pre-ignitions (LSPI).

› Quality standards

- ACEA A3/B4
- API SQ – backward compatible with SP and earlier



› Use

- Recommended for modern engines of high-end and high-performance cars: sedans, sports cars and, in general, cars equipped with very powerful engines.
- For modern technology designs: turbocharged, direct injection, multivalve, HDi, etc.
- Recommended in warm climates and intense use.
- Compatible with exhaust gas catalytic systems, except in the case of particulate filters.
- It is recommended to follow the indications of the vehicle manual regarding viscosity and oil specifications, as well as its drain interval according to the amount of sulfur of the fuel used.

› Benefits

- The ACEA A3/B4 level guarantees high wear protection, especially in engines with direct injection systems and double overhead camshafts.
- API SQ specification ensures greater protection against deposit formation on pistons at high temperatures, reduces sludge formation, and offers greater compatibility with the engine's non-metallic components, preventing their premature degradation.
- Facilitates cold starts compared to mineral technology oils.
- Low volatility and low oil consumption over long distances.

› Physical and chemical properties

Characteristic	Units	Method	Xtar Full 20W-50
SAE Grade	-	-	20W-50
Density at 15°C	kg/l	ASTM D 4052	0.873
Viscosity at 100°C	cSt	ASTM D 445	18.30
Viscosity at 40°C	cSt	ASTM D 445	157
Viscosity Index	-	ASTM D 2270	130
CCS Viscosity at -15° C	cP	ASTM D 5293	6856
HTHS Viscosity at 150°C	cP	ASTM D 4683	>4.0
Pour Point	°C	ASTM D 5950	-33
Flash Point	°C	ASTM D 92	251
Base number, TBN	mg KOH/g	ASTM D 2896	11.0
Sulfated ash	% (m/m)	ASTM D 874	1.27

› Health & safety and environment

A Material Safety Data Sheet providing information on product hazards, handling precautions, first aid measures, and relevant environmental data is available for this product as per applicable legislation.