

Automotive lubricants. Light motor vehicles.

Xtar Max 0W-20 Hybrid



Key information

- 100% synthetic lubricant with very significant fuel economy properties and a low SAPS content.
- It offers fuel economy and combustion engine protection in the combustion engine that provides support to electric motors in plug-in hybrid (PHEV) vehicles and non-plug-in (HEV) vehicles.
- Protection against low-speed pre-ignitions (LSPI).



> Quality standards

- API SQ Resource Conserving – backward compatible with SP+RC and earlier
- ILSAC GF-7A – backward compatible with GF-6 and earlier



> Use

- Recommended for plug-in (PHEV) and conventional (HEV) hybrid vehicles, as well as for range-extended electric vehicles (REEV), which have both an internal combustion engine and an electric motor.
- Developed for the lubrication of the most modern gasoline engines (multivalve, turbocharged, direct injection) equipped with GPF particulate filters, designed for the use of low friction and low viscosity oils (Low HTHS).
- Excellent cold fluidity that allows the oil to circulate rapidly and protect the engine in the event of frequent stops and starts.
- Good compatibility with engine seals and materials, as well as with biofuels.
- 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

- It enables fuel economy rates above 3.5% compared to conventional oil, and minimizes internal friction from the engine obtaining greater power, reduction of polluting emissions, and energy savings.
- Its good emulsion properties to prevent the dilution of water and/or fuel, as well as its anti-corrosion and anti-rust capacity, guarantee good performance in hybrid vehicles, preventing the formation of white sludge.
- Ensures protection against wear generated by low-speed pre-ignition (LSPI), which can occur in modern turbocharged gasoline engines.
- Reduces the formation of deposits, maintaining exceptional level of cleanliness and protecting the engine's internal components (bearings, pistons, etc.) against wear, thereby lengthening their service life.

› Physical and chemical properties

Characteristic	Units	Method	Xtar Max 0W-20 Hybrid
SAE Grade	-	-	0W-20
Density at 15°C	kg/l	ASTM D 4052	0.843
Viscosity at 100°C	cSt	ASTM D 445	8.40
Viscosity at 40°C	cSt	ASTM D 445	44
Viscosity Index	-	ASTM D 2270	170
CCS Viscosity at -35°C	cP	ASTM D 5293	5160
HTHS Viscosity at 150°C	cP	ASTM D 4683	2.7
Pour Point	°C	ASTM D 5950	-42
Flash Point	°C	ASTM D 92	225
Base number, TBN	mg KOH/g	ASTM D 2896	8.5
Sulfated ash	% (m/m)	ASTM D 874	0.58

› 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.