

Automotive lubricants. Light motor vehicles.

Xtar Max 0W-20 FE MF



Key information

- A 100% synthetic lubricant based on polyalphaolefin (PAO) with very high fuel economy properties and low SAPS content.
- Turbocharged gasoline, diesel, or natural gas (LPG/CNG) engines with direct injection and equipped with a particulate filter (GPF/DPF).
- Recommended for plug-in hybrid vehicles (PHEV) and non-plug-in hybrid vehicles (HEV).
- Compatible with biofuels (biodiesel, ethanol, etc.)
- Protection against low-speed pre-ignitions (LSPI).



Hybrid
Compatible



Fuel
Economy



Low
SAPS

Quality standards

- ACEA C5, C6
- API SQ Resource Conserving – backward compatible with SP+RC and earlier
- ILSAC GF-7A – backward compatible with GF-6 and earlier



Manufacturer specifications

- | | | |
|-----------------------|-----------------------|--------------------------|
| • Volvo VCC C6SP | • BMW Longlife-14 FE+ | • STJLR 03.5006 |
| • Volvo VCC RBS0-2AE | • Ford M2C954-A1 | • Opel OV 040 1547 - A20 |
| • MB-Approval 229.72 | • Ford M2C962-A1 | • Fiat 9.55535-GSX |
| • MB 229.71 | • Ford M2C947-B1 | • Chrysler MS-12145 |
| • BMW Longlife-17 FE+ | | |

Use

- It can be used in all types of light vehicles (gasoline, diesel, gas, hybrids, etc.) and brands that require a very high quality, 100% synthetic oil with a viscosity of 0W-20 that meets any of the indicated specifications.
- Specifically developed to comply with the new Volvo VCC C6SP specification required by Volvo Car Corporation group vehicles starting in 2026, which progressively covers and replaces the previous VCC RBS0-2AE specification.
- Specifically designed to exceed the requirements of the Ford M2C954-A1 specification. Additionally, it is suitable for use in engines requiring the M2C948-B specification in 5W-20 viscosity.
- In direct injection and turbocharged gasoline and diesel engines incorporating exhaust gas after-treatment systems (SCR, EGR and particulate filters).
- Suitable for achieving the maximum drain intervals ("LongLife") recommended by manufacturers that demand SAE 0W-20 viscosities, such as Mercedes or BMW.
- Due to its high TBN retention capacity, it can be used in hybrid vehicles.
- Due to its high stability to oxidation, it is also recommended in gas engines (LPG/CNG) or if biofuels are used.
- Excellent cold fluidity that allows the oil to circulate rapidly to protect the engine in the event of frequent stops and starts ("Start/Stop" systems).
- 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.

The values of typical characteristics listed in the table are average values provided for informational purposes only and do not constitute a guarantee. These values are subject to change without notice.

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> Benefits

- Thanks to its low friction and viscosity, it has high fuel economy properties (more than 3% compared to a reference 15W-40, and more than 1.5% compared to 5W-30).
- Its 100% synthetic base of the highest quality achieves low oil consumption, extending drain intervals and helping to reduce service and maintenance costs.
- Excellent level of cleanliness and protection of the engine against acidic agents and contaminants during the entire useful life of the oil, minimizing the formation of deposits, wear, sludge and varnish on the internal components of the engine, as well as the impact of residues from biofuels that remain dissolved in the oil.
- Ensures protection against wear generated by low-speed pre-ignition (LSPI), which can occur in modern turbocharged gasoline engines.

> Physical and chemical properties

Characteristic	Units	Method	Xtar Max 0W-20 FE MF
SAE Grade	-	-	0W-20
Density at 15°C	kg/l	ASTM D 4052	0.845
Viscosity at 100°C	cSt	ASTM D 445	8.22
Viscosity at 40°C	cSt	ASTM D 445	42
Viscosity Index	-	ASTM D 2270	175
CCS Viscosity at -35°C	cP	ASTM D 5293	5870
HTHS Viscosity at 150°C	cP	ASTM D 4683	2.6
Pour Point	°C	ASTM D 5950	-51
Flash Point	°C	ASTM D 92	230
Base number, TBN	mg KOH/g	ASTM D 2896	8.4
Sulfated ash	% (m/m)	ASTM D 874	0.68

> 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.