

Automotive lubricants. Light motor vehicles.

Xtar Max 0W-30 FE MF



Key information

- A 100% synthetic polyolefin-based (PAO) lubricant with 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).



> Quality standards

- ACEA C2, A5/B5
- API SQ – backward compatible with SP and earlier



> Manufacturer specifications

- | | | |
|----------------------|------------------------------|------------------------|
| • MB-Approval 229.61 | • BMW Longlife-12 FE | • Fiat 9.55535-GS1/DS1 |
| • DTFR 15D100 | • Opel OV 040 1547 - G30/D30 | • Iveco 18-1811 SC1 LV |
| • Ford M2C950-A | • STJLR.03.5007 | |

> Use

- It can be used in all types of light and heavy vehicles (gasoline, diesel, gas, hybrids, etc.) and brands that require a very high quality 100% synthetic oil with a viscosity of 0W-30 and that is in line with any of the indicated specifications.
- Specifically developed for Ford vehicles that require oil meeting the WSS-M2C950-A specification, such as Mondeo models, Focus, Transit, and Fiesta models with Turbo Diesel Common-Rail Injection (TDCi) engines.
- Specifically formulated for Mercedes or Daimler light commercial vehicles with gas (CNG) engines that require the DTFR 15D100 (previously MB 227.61) specification.
- Suitable for extreme temperature conditions, maintaining an excellent degree of fluidity at very low temperatures, which helps starting with a high level of anti-wear protection at high temperatures, which makes it especially suitable for urban use, with 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.

> Benefits

- Thanks to its low friction and viscosity, it has high fuel economy properties (more than 2.5% compared to a reference 15W-40, and more than 0.75% compared to 5W-30).
- Its low ash content (SAPS) prevents the exhaust gas particulate filters from clogging, aiding in compliance with current Euro standards regarding reducing polluting emissions.
- Provides greater durability of oil properties, as well as greater engine protection, helping to reduce service and maintenance costs.
- Excellent level of antiwear and cleanliness and protection of the engine against acidic agents during the entire life of the oil, minimizing the impact of contaminants 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-30 FE MF
SAE Grade	-	-	0W-30
Density at 15°C	kg/l	ASTM D 4052	0.843
Viscosity at 100°C	cSt	ASTM D 445	9.53
Viscosity at 40°C	cSt	ASTM D 445	45
Viscosity Index	-	ASTM D 2270	197
CCS Viscosity at -35°C	cP	ASTM D 5293	5278
HTHS Viscosity at 150°C	cP	ASTM D 4683	3.0
Pour Point	°C	ASTM D 5950	-48
Flash Point	°C	ASTM D 92	225
Base number, TBN	mg KOH/g	ASTM D 2896	9.7
Sulfated ash	% (m/m)	ASTM D 874	0.75

> 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.