

Automotive lubricants. Light motor vehicles.

Xtar Max 5W-20 FE F



Key information

- 100% synthetic lubricant with very significant fuel economy properties and a 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.)



> Quality standards

- ACEA C5
- API SN Resource Conserving – backward compatible with SL and earlier
- ILSAC GF-5 – backward compatible with GF-4 and earlier



> Manufacturer specifications

- Ford M2C948-B
- STJLR.03.5004

> Use

- Especially recommended for vehicles equipped with Ford group EcoBoost gasoline engines requiring an oil that meets the Ford M2C948-B standard, also being compatible with gasoline engines requiring the M2C925-B, 913-B, or 913-C specifications.
- Suitable for engines of hybrid vehicles and/or with Start-Stop system that due to their systematics require oils with very low friction resistance and high fluidity.
- Suitable for extreme temperature conditions, maintaining an excellent degree of fluidity at very low temperatures, which facilitates starting, and with a high level of anti-wear protection at high temperatures, which makes it especially suitable for urban uses, with frequent stops and starts.
- 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% compared to conventional oil, and minimizes internal friction from the engine obtaining greater power, reduction of polluting emissions, and energy savings.
- Its low phosphorus and sulfated ash content allows optimizing the operation of three-way catalysts, reducing NOx, HC and CO emissions, as well as DPF/GPF devices, extending their useful life.
- They provide extraordinary anti-wear protection in the engine.
- It provides an excellent level of cleanliness and protection of the engine against acidic agents and contaminants during the entire service life of the oil and minimizes the impact of contaminants from biofuels that remain dissolved in the oil.

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.

> Physical and chemical properties

Characteristic	Units	Method	Xtar Max 5W-20 FE F
SAE Grade	-	-	5W-20
Density at 15°C	kg/l	ASTM D 4052	0.851
Viscosity at 100°C	cSt	ASTM D 445	8.3
Viscosity at 40°C	cSt	ASTM D 445	45.3
Viscosity Index	-	ASTM D 2270	160
CCS Viscosity at -30°C	cP	ASTM D 5293	3848
HTHS Viscosity at 150°C	cP	ASTM D 4683	2.6
Pour Point	°C	ASTM D 5950	-45
Flash Point	°C	ASTM D 92	232
Base number, TBN	mg KOH/g	ASTM D 2896	8.4
Sulfated ash	% (m/m)	ASTM D 874	0.80

> 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.