

Automotive lubricants. Light motor vehicles.

Xtar Full 5W-30 C3 D2



Key information

- 100% synthetic lubricant with 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.)
- Protection against low-speed pre-ignitions (LSPI).



Hybrid
Compatible



Fuel
Economy



Low
SAPS



› Quality standards

- ACEA C3
- API SN Plus – backwards compatible with SN and earlier

› Manufacturer specifications

- MB-Approval 229.52
- BMW LL-04 (pre-2019)
- OV 040 1547 - G30/D30
- MB 229.51, 229.31
- GM Dexos 2
- Fiat 9.55535-S3

› Use

- For the majority of modern gasoline and diesel engines, particularly high-performance engines, and those that require either an ACEA C3 type oil.
- A lubricant required in vehicles that have particulate filters (DPF/GPF) for exhausts.
- Especially suitable for extreme conditions, where conventional oils show limitations.
- 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

- Reduces the formation of deposits, maintaining exceptional cleanliness and protecting against wear of the engine's internal components.
- Excellent cold fluidity that allows rapid oil circulation to protect the engine at start-up (important in Start-Stop systems).
- It enables fuel economy rates above 1% compared to conventional oil, and minimizes internal friction from the engine obtaining greater power, reduction of polluting emissions, and energy savings.
- Ensures protection against wear generated by low-speed pre-ignition (LSPI), which can occur in modern turbocharged gasoline engines.
- Its reduced ash content (SAPS) allows the particulate filters (DPF/GPF) to reach the manufacturer-estimated duration.

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.

Moeve Client Solutions S.A.U. • Paseo de la Castellana, 259A • 28046 Madrid • moeve.es

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› Physical and chemical properties

Characteristic	Units	Method	Xtar Full 5W-30 C3 D2
SAE Grade	-	-	5W-30
Density at 15°C	kg/l	ASTM D 4052	0.849
Viscosity at 100°C	cSt	ASTM D 445	11.6
Viscosity at 40°C	cSt	ASTM D 445	66
Viscosity Index	-	ASTM D 2270	173
CCS Viscosity at -30°C	cP	ASTM D 5293	5780
HTHS Viscosity at 150°C	cP	ASTM D 4683	3.6
Pour Point	°C	ASTM D 5950	-39
Flash Point	°C	ASTM D 92	224
Base number, TBN	mg KOH/g	ASTM D 2896	6.8
Sulfated ash	% (m/m)	ASTM D 874	0.76

› 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.