Automotive lubricants. Light motor vehicles.

Xtar Full 0W-20 DX1

Hybrid Compatible | Fuel Economy | Low SAPS

Key information

- 100% synthetic lubricant with very significant fuel economy properties and a low SAPS content.
- Turbocharged and direct injection gasoline engines equipped with particulate filters (GPF).
- Recommended for plug-in hybrid vehicles (PHEV) and non-plug-in hybrid vehicles (HEV).
- Compatible with biofuels (ethanol, etc.)
- Protection against low-speed pre-ignitions (LSPI).

API SERVICE SQ SAE 0W-20 RESOURCE CONSERVING

Quality standards

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

Manufacturer specifications

- GM Dexos 1 Gen 3

Use

- Specifically developed to lubricate the most modern gasoline engines (multivalve, common-rail, turbocharged, direct injection), designed for the use of low friction and low viscosity oils (Low HTHS).
- It is also recommended for plug-in hybrid vehicles (PHEV) and non-plug-in hybrid vehicles (HEV), which are equipped with both gasoline and electric engines.
- Allows for long drain intervals working under a wide range of operating conditions.
- 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 work against the dilution of water and/or fuel, as well as the anti-corrosion and rust capacity, guarantee good performance in hybrid vehicles.
- Ensures protection against wear generated by low-speed pre-ignition (LSPI), which can occur in modern turbocharged gasoline engines.
- Its high cleaning power of the engine (detergency) and special anti-wear protection in bearings and pistons ensures a long engine life.
- Excellent cold fluidity that allows rapid oil circulation to protect the engine at start-up (important in Start-Stop systems).

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 Full 0W-20 DX1
SAE Grade	**-**	**-**	**0W-20**
Density at 15°C	kg/l	ASTM D 4052	0.844
Viscosity at 100°C	cSt	ASTM D 445	8.47
Viscosity at 40°C	cSt	ASTM D 445	45
Viscosity Index	-	ASTM D 2270	169
CCS Viscosity at -35°C	cP	ASTM D 5293	5165
HTHS Viscosity at 150°C	cP	ASTM D 4683	2.7
Pour Point	°C	ASTM D 5950	-42
Flash Point	°C	ASTM D 92	228
Base number, TBN	mg KOH/g	ASTM D 2896	8.4
Sulfated ash	% (m/m)	ASTM D 874	0.60

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.

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