

MOTUL®

H-TECH 100 PLUS 0W-20

**Fuel Economy Gasoline Engine Lubricant
100% Synthetic**

TYPE OF USE

100% Synthetic Fuel Economy engine oil specially formulated to provide ultimate level of power especially for recent gasoline engine designs. Suitable for turbocharged or naturally aspirated, direct or indirect injection, gasoline engines equipped with catalytic converters.

Suitable for all gasoline engines using leaded or unleaded gasoline, LPG, Autogas fuel. E85 fuel compatible.

All driving conditions : City, Road, Highway.

PERFORMANCE

STANDARDS	API SERVICE SQ ILSAC GF-7A
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Designed to meet the new API SQ and ILSAC GF-7A specifications. API SQ standard is fully backward compatible over API SP standard and all former API standards.

H-Tech 100 Plus 0W20 is formulated with the latest technology to provide

- Excellent fuel economy and performance at cold temperature
- Protection from Low Speed Pre-Ignition (LSPI) to prevent premature hardware failure
- Additional timing chains and valve train wear protection for engine durability
- Improved piston cleanliness with anti-deposits and anti-sludge protection to maintain an engine clean
- Protects vehicle emission system component for emission control systems durability
- Outstanding oxidation resistance preventing premature oil thickening and ageing due to thermal stress
- Anti-corrosion, Anti-foam properties.

The API SQ, ILSAC GF-7 lubricant provides higher fuel economy, added protection against Low Speed Pre-ignition (LSPI) for downsized direct injection turbocharged gasoline engines, additional timing chain wear protection for engine durability, improved oxidation control and piston cleanliness, and protects vehicle emission system components.

Turbocharged gasoline engines with direct injection have a risk of sporadic pre-ignition phenomena in the combustion chambers. LSPI, also known as knocking or rumble, generates very high pressure peaks in the combustion chamber that can lead to piston damages and ultimately to engine destruction. The API SQ standard fully covers this LSPI requirement in order to perfectly protect direct injection turbocharged gasoline engines.

Based on the API SQ specification, the ILSAC GF-7 standard is even more severe especially on the energy saving criteria. H-Tech 100 Plus 0W20 has demonstrated to provide greater emission system and turbocharger protection, and compatibility with ethanol-containing fuel up to E85.

RECOMENDATIONS

Drain period : according to manufacturers' recommendations and driving patterns.

PROPERTIES

Viscosity grade	SAE J 300	0W-20
Density at 20°C (68°F)	ASTM D4052	0.842
Viscosity at 40°C (104°F)	ASTM D445	45.3 mm ² /s
Viscosity at 100°C (212°F)	ASTM D445	8.5 mm ² /s
Viscosity index	ASTM D2270	168
TBN	ASTM D2896	7.0 mg KOH/g