

PRODUCT DESCRIPTION

Hyper ULV 0W-16 is an advanced ultra-low viscosity fully synthetic resource conserving engine oil formulated to meet the latest API SQ and ILSAC GF-7B specifications, delivering cutting-edge performance for modern gasoline engines, including hybrid powertrains. Designed to meet the OEMs most stringent efficiency and durability requirements, it offers exceptional fuel economy benefits while maintaining robust protection under today's demanding operating conditions. It provides outstanding protection and performance in turbocharged gasoline direct injection engines (TGDI) and in modern electrified powertrains such as hybrid electric vehicles (HEV), plug-in hybrid vehicles (PHEV), range-extended electric vehicles (REEV/ERV), battery-assisted hybrid vehicles (BAHV) and other hybrid engines operating in severe urban conditions with a typical "start-stop" mode.



Hyper ULV 0W-16 is enhanced with unique anti-friction technology, ZFM™ (Zero Friction Molecular), to considerably reduce friction and wear of highly loaded engine parts that are exposed to intensive duty cycles and high operating

temperatures. Meets the tightened fuel economy requirements of GF-7B, reducing internal friction and supporting measurable improvements in fuel savings and lower CO₂ emissions.

APPLICATION

Recommended for all types of gasoline fueled engines requiring a viscosity grade of SAE 0W-16 API SQ, ILSAC GF-7B, Resource Conserving engine oil. Fully backward compatible with older gasoline engines, offering diverse fleets and drivers a single oil that unites cutting-edge technology with proven dependability.

For passenger cars, vans, CUVs, SUVs, light duty trucks and other vehicles fitted with recent gasoline engines. Protects engines operating on E85 fuels. Compatible with vehicles requiring ILSAC GF-6B, API SP, API SN PLUS and older oils.

WARRANTY

Hyper ULV 0W-16 meets or exceeds the OEM's warranty requirements of gasoline vehicles where API SQ and ILSAC GF-7B oil is required. TOTACHI® guarantees full compliance on the written specifications indicated on product labels.

CUSTOMER BENEFITS

- **Outstanding Fuel Efficiency**
Provides further fuel economy retention over the oil's life, ensuring benefits last through the full drain interval. Delivers an estimated fuel savings of 0.5-2% compared to a 0W-16 ILSAC GF-6B oils.
- **Extended Oil Drain Intervals**
Excellent deposit and oxidation control, maintaining engine cleanliness and performance over longer service periods.
- **Enhanced Engine Durability**
Safeguard turbocharged gasoline direct injection (TGDI) engines against low-speed pre-ignition events and strengthen wear control on timing chains to ensure long term engine durability and reliable performance.
- **Hybrid Compatible**
Designed to withstand extreme levels of water and fuel contamination, enhanced with a chemical composition that prevents corrosion and rust, helping to preserve vital engine parts.
- **Enhanced Thermal Stability**
More resistance to thermal breakdown, which helps resist engine oil breakdown and keep engine oil fresh longer. Helps maximize engine power while maintaining fuel efficiency and cleanliness.
- **Compatibility with ECS (Emission Control System)**
Low sulfated ash content to improve gasoline particulate filter (GPF) efficiency and reduce the risk of engine power loss. Contributes to the extended service life of emission aftertreatment devices, ensuring cleaner operation and sustained compliance with regulatory standards.



MEETS SPECIFICATIONS & REQUIREMENTS OF:

- API SQ
- ILSAC GF-7B
- Resource Conserving

Suitable for use in various OEMs such as TOYOTA, LEXUS, DAIHATSU, NISSAN, INFINITI, ACURA, HONDA, MITSUBISHI,

SUZUKI, Hybrid gasoline engines and other OEMs requiring a SAE 0W-16, API SQ, ILSAC GF-7B and Resource Conserving.

Before using this product, ensure it is consistent with OEM's recommendations for the equipment operating conditions and customer's maintenance practices.

TYPICAL TEST DATA

CHARACTERISTICS	UNITS	VALUES	STANDARDS
SAE Grade	-	0W-16	SAE J300
Kinematic viscosity at:			
40 °C	cSt	38.04	ASTM D445
100 °C	cSt	7.37	ASTM D445
Viscosity index	-	163	ASTM D2270
Cranking viscosity at -35°C	mPa-s	5165	ASTM D5293
Color	-	L2.0	ASTM D1500
Flash point	°C	230	ASTM D92
Pour point	°C	-42	ASTM D6892
Density at 15°C	kg/L	0.8454	ASTM D4052
Total Base Number	mg KOH/g	6.6	ASTM D2896

STORAGE AND HANDLING GUIDELINES

- Avoid exposing products to direct sunlight.
- Store in cool and dry places. Avoid exposing products to moisture.
- It is highly recommended to store drums indoors or under cover on pallets and racks.

HEALTH, SAFETY & ENVIRONMENT PROTECTION

Information on health, safety and environment protection is described in the product Safety Data Sheet (SDS). The SDS file contains details on potential hazards, precautions and first aid measures, as well as information on environmental impact and disposal of used products.

TOTACHI INDUSTRIAL CO. LTD. disclaims any liability in case the product is used with violation of these instructions and warnings or it is not used for its intended purpose. Before using product other than intended, consult your local TOTACHI® distributor.