

PRODUCT DESCRIPTION

Hyper ULV 0W-16 is an innovative ultra-low viscosity fully synthetic, Resource Conserving, engine oil formulated for use in next-generation gasoline engines – turbocharged gasoline direct injections (TGDI), hybrid electric vehicles (HEV), plug-in hybrid electric vehicles (PHEV), range extended electric vehicles (REEV), battery-assisted hybrid vehicles (BAHV), Extended Range Electric Vehicle (EREV) and all other vehicles operating under severe urban conditions where “Stop-Start” modes are typical. Very low HTHS (High Temperature High Shear) viscosity and low friction to provide improved fuel economy improvement even under the most severe driving conditions. Guaranteed protection against Low Speed Pre-Ignition (LSPI) and timing chain wear.



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. Keeps engine clean

and effectively prevents varnish formation, making it a perfect choice for all driving conditions.

APPLICATION

Recommended for all types of gasoline fueled engines requiring a viscosity grade of SAE 0W-16 API SP, ILSAC GF-6B, Resource Conserving engine oil. For hybrid electric vehicles, plug-in hybrid electric vehicles, vans, CUVs, SUVs, light duty trucks and other passenger cars fitted with recent gasoline engines. Helps protect engines operating on E85 fuels.

Backward compatible to API SN.

WARRANTY

Hyper ULV 0W-16 meets or exceeds the OEM’s warranty requirements of gasoline vehicles where API SP and ILSAC GF-6B oil is required. TOTACHI® guarantees full compliance on the written specifications indicated on product labels.

CUSTOMER BENEFITS

- **Outstanding Fuel Efficiency**
Improved fuel economy and greater power compared to other low viscosity oils (i.e. 0W20, 5W20, 5W30). Improves fuel consumption of up to 6% versus conventional viscous oils.
- **Superior Engine durability**
Robust engine oil designed for downsized engines with higher horsepower and torque. With carefully selected components to ensure protection against premature combustion, known as LSPI which can cause catastrophic engine failure. Additional timing chain wear protection for a maximized engine durability.
- **Compatibility with ECS (Emission Control System)**
Protects vehicle emission system components in vehicles powered by gasoline engines. It contributes in the reduction of harmful emissions to meet the most stringent modern environmental standards.
- **Hybrid Vehicles**
Provides optimum lubrication and wear protection on engines running less during low speed and stop-and-go driving.
- **Uncompromised Performance**
Superior piston cleanliness, good oxidation control, effective counteracts sludge formation, corrosion and rust resistance. Perfectly formulated to deliver all these properties for guaranteed performance a modern engine is demanding for.



MEETS SPECIFICATIONS & REQUIREMENTS OF:

- API SP
- ILSAC GF-6B
- 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 SP, ILSAC GF-6B 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.