

PRODUCT DESCRIPTION

Hyper Ecodrive 10W-30 is an advanced fully synthetic resource conserving engine oil formulated to meet the latest API SQ and ILSAC GF-7A specifications of modern gasoline engines. High performance engine oil that delivers enhanced fuel efficiency, provides superior protection against low speed pre ignition (LSPI), deposits, and timing chain wear in 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. Provides optimum lubricating power and efficient operation in various driving conditions.



Hyper Ecodrive 10W-30 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. Effectively prevents deposits and sludge build up to prolong engine life.

APPLICATION

Recommended for all types of gasoline and gas fueled engines requiring a viscosity grade of SAE 10W-30 API SQ, ILSAC GF-7A, Resource Conserving engine oil. For passenger cars, vans, CUVs, SUVs, light duty trucks and other vehicles fitted with recent gasoline engines. Helps protect engines operating on E85 fuels, Liquefied Petroleum Gas (LPG), and Compressed Natural Gas (CNG).

Backward compatible to API SP, API SN PLUS, API SN, ILSAC GF-6A and older.

WARRANTY

Hyper Ecodrive 10W-30 meets or exceeds the OEM's warranty requirements of gasoline vehicles where API SQ and ILSAC GF-7A oil is required. TOTACHI® guarantees full compliance on the written specifications indicated on product labels.

CUSTOMER BENEFITS

- **Enhanced Fuel Savings**
Well balanced formulation to provide fuel efficiency on modern and conventional gasoline engines.
- **Superior Engine Durability**
Excellent LSPI protection over the oil service life to prevent catastrophic engine failure. Improved timing chain wear protection to maximize engine durability.
- **Powerful Engine Performance**
Excellent wear protection and active cleaning properties to ensure reliability and 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-7A
- Resource Conserving
- Chrysler MS-6395
- Fiat 9.55535 CR1

Suitable for use in various OEMs such as TOYOTA, LEXUS, DAIHATSU, NISSAN, HYUNDAI, INFINITI, SUZUKI, MAZDA, ACURA, HONDA, MITSUBISHI, HINO, ISUZU, and other OEMs requiring a SAE 10W-30, API SQ, Resource Conserving and ILSAC GF-7A.

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	-	10W-30	SAE J300
Kinematic viscosity at:			
40 °C	cSt	63.58	ASTM D445
100 °C	cSt	10.36	ASTM D445
Viscosity index	-	151	ASTM D2270
Cranking viscosity at -25°C	mPa-s	3769	ASTM D5293
Color	-	L2.0	ASTM D1500
Flash point	°C	248	ASTM D92
Pour point	°C	-39	ASTM D6892
Density at 30 °C	kg/L	0.8518	ASTM D4052
Total Base Number	mg KOH/g	7.00	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.