

PRODUCT DESCRIPTION

Hyper Ecodrive 5W-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. Developed for turbocharged gasoline direct injection (TGDI) engines, hybrid powertrains, and vehicles equipped with emission control systems. The well-balanced formulation and premium components deliver optimized fuel economy, exceptional wear protection, and long-lasting performance. Enhanced protection against low-speed pre-ignition (LSPI) and timing chain wear to ensure extended engine durability. 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.



Hyper Ecodrive 5W-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 fueled engines requiring a viscosity grade of SAE 5W-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.

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

WARRANTY

Hyper Ecodrive 5W-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

- **Excellent Fuel Savings**
Enhanced friction properties, easy start up in cold weather, better oil pumpability and excellent low temperature properties to support effective lubrication and approximately 0.4-0.6% fuel savings compared to a 5W-30 ILSAC GF-6A oils.
- **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.
- **Optimized Drain Intervals**
Outstanding high temperature stability for superior control of sludge, varnish, rust, corrosion and other harmful deposits to ensure maximum engine oil life.
- **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
- Ford WSS-M2C971-A1
- FORD WSS-M2C961-A1
- FORD WSS-M2C946-B1
- CHRYSLER MS-6395

- FIAT 9.55535-CR1
- GM Dexos 1

Suitable for use in various OEMs such as TOYOTA, GENESIS, HONDA, HYUNDAI, KIA, INFINITI, MITSUBISHI, LEXUS, GEELY, NISSAN, MG, SUZUKI, CHEVROLET, DATSUN, SUBARU, FORD, HOLDEN, MAZDA, CHRYSLER, ACURA, DODGE, FIAT, HAVAL,

CHERY, OMODA, CHANGAN, BYD, JAC, JAECOO, JETOUR, TANK, LIXIANG, AITO, and other OEMs requiring a SAE 5W-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	-	5W-30	SAE J300
Kinematic viscosity at:			
40 °C	cSt	56.16	ASTM D445
100 °C	cSt	9.79	ASTM D445
Viscosity index	-	161	ASTM D2270
Cranking viscosity at -30°C	mPa-s	4889	ASTM D5293
Color	-	L2.0	ASTM D1500
Flash point	°C	224	ASTM D92
Pour point	°C	-42	ASTM D6892
Density at 30 °C	kg/L	0.8392	ASTM D4052
Total Base Number	mg KOH/g	7.10	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.