

PRODUCT DESCRIPTION

Hyper Ecodrive 0W-20 is an advanced fully synthetic resource conserving engine oil formulated to meet the stringent fuel economy and emissions reduction targets of 2026 model year vehicles. It is engineered to comply with the latest API SQ and ILSAC GF-7 standards, addressing the evolving stringent requirement of OEMs. It delivers exceptional fuel efficiency, enhanced protection against low-speed pre-ignition (LSPI) for improved reliability, superior piston cleanliness, minimized deposits and reduced oil oxidation for engine integrity under high-temperature conditions, and a tighter timing chain wear protection to ensure longer engine durability. 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 Ecodrive 0W-20 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. Extends engine life while lowering harmful emissions.

APPLICATION

Recommended for all types of gasoline fueled engines requiring a viscosity grade of SAE 0W-20 API SQ, ILSAC GF-7A, 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-6A, API SP, API SN PLUS and older.

WARRANTY

Hyper Ecodrive 0W-20 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

- **Optimized Fuel Efficiency**
Formulated to reduce internal friction losses and meet the tightened fuel economy requirements of ILSAC GF-7A. Demonstrates measurable fuel efficiency improvements of approximately 0.5–2% compared to 0W-20 ILSAC GF-6A oils under standardized engine test conditions, delivering greater fuel savings and reduced CO₂ emissions.
- **Enhanced Engine Durability & Reliability**
Engineered to minimize the risk of low-speed pre-ignition (LSPI) and severe engine knock, while providing improved wear protection for timing chains. This advanced formulation ensures robust protection across the entire oil drain interval, supporting extended engine life and dependable performance under demanding operating conditions.
- **Maximized Oil Drain Interval**
Offers superior deposit and oxidation control, delivering long-lasting protection that helps maintain peak engine performance and reliability over extended service periods.
- **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-M2C972-A1

- FORD WSS-M2C962-A1
- Ford WSS-M2C947-B1
- CHRYSLER MS-6395
- FIAT 9.55535-CR1
- GM Dexos 1

Suitable for use in various OEMs such as TOYOTA, LEXUS, DAIHATSU, NISSAN, HONDA, MITSUBISHI, MAZDA, SUBARU, SUZUKI, ISUZU, FORD, DODGE, JEEP, RAM, CHRYSLER,

HYUNDAI, KIA, ACURA, CHEVROLET, INFINITI, FIAT, HAVAL, CHERY, OMODA, CHANGAN, BYD, JAC, JAECOO, JETOUR, TANK, LIXIANG, AITO, Hybrid gasoline engines and other OEMs requiring a SAE 0W-20, 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	-	0W-20	SAE J300
Kinematic viscosity at:			
40 °C	cSt	43.41	ASTM D445
100 °C	cSt	8.20	ASTM D445
Viscosity index	-	166	ASTM D2270
Cranking viscosity at -35°C	mPa-s	5785	ASTM D5293
Color	-	2.0	ASTM D1500
Flash point	°C	224	ASTM D92
Pour point	°C	-42	ASTM D6892
Density at 30 °C	kg/L	0.8367	ASTM D4052
Total Base Number	mg KOH/g	7.2	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.