

PRODUCT DESCRIPTION

Eco Gasoline 10W-30 is an innovative fuel economy resource conserving semi synthetic engine oil formulated for the latest generation gasoline engines – turbocharged gasoline diesel injection (TGDI), hybrid electric vehicles (HEV), plug-in hybrid electric vehicles (PHEV), range extended range extended electric vehicles (REEV), battery-assisted hybrid vehicles (BAHV), Extended Range Electric Vehicle (EREV) and all other vehicles requiring a 10W-30 API SP lubricant. Protects engine from Low-Speed Pre-Ignition (LSPI) and timing chain wear. Good oil film strength and lubricity to deliver fuel savings.



Eco Gasoline 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. Excellent low temperature properties for easy engine start up in cold weather.

APPLICATION

Recommended for all types of gasoline fueled engines requiring a viscosity grade of SAE 10W-30 API SP, ILSAC GF-6A, 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 SN PLUS, API SN, ILSAC GF-5.

WARRANTY

ECO GASOLINE 10W-30 meets or exceeds the OEM's warranty requirements of gasoline vehicles where API SP and ILSAC GF-6A oil is required. TOTACHI® guarantees full compliance on the written specifications indicated on product labels.

CUSTOMER BENEFITS

- **Fuel Economy**
Helps to improve fuel economy and can increase engine efficiency.
- **Promotes long engine life**
Improved anti-oxidation properties and excellent oil film stability to provide reliable protection of modern high-speed engines.
- **Minimize Maintenance Costs**
Resists fast engine oil degradation to optimize the drain interval and ensure full engine protection for minimized maintenance costs.
- **Easy cold weather starting**
Due to Excellent low temperature properties of the synthetic base oils.
- **Compatibility with ECS (Emission Control System)**
The low content of phosphorus and ash contributes to the long life of the three-component catalytic converters (TWC).



MEETS SPECIFICATIONS & REQUIREMENTS OF:

- API SP
- API SN PLUS
- API SN/CF
- ILSAC GF-6A
- Resource Conserving

Suitable for use in various OEMs such as TOYOTA, LEXUS, DAIHATSU, NISSAN, HYUNDAI, INFINITI, SUZUKI, MAZDA, ACURA, HONDA, MITSUBISHI, HINO, ISUZU, BAIC, BRILLIANCE, CHANG'AN MOTORS, CHERRY, DONGFENG, GAC, JAC, JIANGLING, SAIC, BYD, GREAT WALL and other OEMs requiring a SAE 10W-30, API SP, Resource Conserving and ILSAC GF-6A.

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	69.99	ASTM D445
100 °C	cSt	10.40	ASTM D445
Viscosity index	-	137	ASTM D2270
Cranking viscosity at -25°C	mPa-s	5939	ASTM D5293
Color	-	L2.0	ASTM D1500
Flash point	°C	234	ASTM D92
Pour point	°C	-42	ASTM D6892
Density at 30 °C	kg/L	0.8551	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.