

PRODUCT DESCRIPTION

Hyper Ecodrive 0W-40 is a high performance fully synthetic engine oil formulated to deliver maximum efficiency in the next-generation gasoline engine technology such as turbocharged gasoline direct injections (TGDI) and all other vehicles operating under severe urban conditions where “Stop-Start” modes are typical. Improves high temperature piston deposits protection, stringent sludge and exceptional wear control for overall engine’s powerful performance. Guarantees protection against Low Speed Pre-Ignition (LSPI) and timing chain wear.



Hyper Ecodrive 0W-40 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. The product is formulated with PAO for an excellent lubrication to unlock your engine’s optimum driving performance.

APPLICATION

Recommended for all types of gasoline fueled engines requiring a viscosity grade of SAE 0W-40 API SP engine oil. For passenger cars, vans, CUVs, SUVs and other vehicles fitted with recent gasoline engines. Helps protect engines operating on E85 fuels.

Backward compatible to API SN/SN PLUS/SN/SM/SL.

WARRANTY

Hyper Ecodrive 0W-40 meets or exceeds the OEM’s warranty requirements of gasoline vehicles where API SP oil is required. TOTACHI® guarantees full compliance on the written specifications indicated on product labels.

CUSTOMER BENEFITS

- **Allows Fuel Economy**
Minimizes oil hydrodynamic friction, improves oil flow at engine start up, fast pressure build up, fast revving and faster operating temperature reach.
- **Efficient Engine Performance**
Resistance to oil degradation for a maintained protection during oil service life. The active components ensure both high engine performance and protection against deposits and wear.
- **Superior Engine durability**
Stronger oil film thickness even under severe driving conditions. Keep metal surfaces apart and reduces friction to provide high level of protection to the engine system.
- **Robust Engine Oil**
Designed to exceptionally fit the most demanding requirements of downsized engines with higher horsepower and torque. Protects engine from premature combustion, known as LSPI which can cause catastrophic engine failure.
- **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/SN PLUS

Suitable for use in various Asian, European, American OEMs such as NISSAN, INFINITI, HONDA, ACURA, BMW, UAZ, LADA, MERCEDES-BENZ, VOLKSWAGEN, AUDI, SKODA, PORSCHE, RENAULT, FIAT, FORD, CHRYSLER, HYUNDAI, KIA, GENESIS, RAVON, DAEWOO, HVAL, BRILLIANCE, DONGFENG, LUXGEN, BYD, FAW, HVAL, CHANGAN, GEELY, JAC, CHERY, GREAT WALL, LIFAN and other OEMs requiring a SAE 0W-40, API SP oil.

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-40	SAE J300
Kinematic viscosity at:			
40 °C	cSt	82.19	ASTM D445
100 °C	cSt	14.30	ASTM D445
Viscosity index	-	181	ASTM D2270
Cranking viscosity at -35°C	mPa-s	5602	ASTM D5293
Color	-	L2.0	ASTM D1500
Flash point	°C	230	ASTM D92
Pour point	°C	-48	ASTM D6892
Density at 30 °C	kg/L	0.8339	ASTM D4052
Total Base Number	mg KOH/g	7.86	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.