

PRODUCT DESCRIPTION

EuroDrive 5W-40 is an advanced high-performance fully synthetic engine oil formulated with innovative chemical components to exceed the demanding requirements of the next-generation engines and multiple European OEMs. Excellent wear protection in downsized and powerful engines operating in high temperature conditions, especially the European vehicles. Protects engine from Low-Speed Pre-Ignition (LSPI) phenomena and timing chain wear.



EuroDrive 5W-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. Resists premature oil ageing for a longer oil drain interval.

APPLICATION

Recommended for all types of gasoline and light duty diesel engines that are not equipped with Gasoline Particulate Filters (GPF) and Diesel Particulate Filters (DPF). For high performance, turbocharged and direct injection vehicles running from mild to extreme operating conditions. Applicable for use in European vehicles requiring ACEA A3/B4 lubricants.

Suitable for use in all types of fuels.

WARRANTY

EuroDrive 5W-40 meets or exceeds the OEM's warranty requirements of gasoline and diesel vehicles where API SP or ACEA A3/B4 oil is required. TOTACHI® guarantees full compliance on the written specifications indicated on product labels.

CUSTOMER BENEFITS

- **Exceptional Engine Durability**
Advanced componentry for ultimate engine protection against LSPI or severe knocking which can cause catastrophic engine failure.
- **Maximum Engine Power**
Excellent resistance to oil degradation for a guaranteed performance, power, and complete protection in extreme driving conditions throughout the oil service life.
- **Low Oil Consumption**
Low evaporation for lesser engine oil top up.
- **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
- ACEA A3/B4
- BMW LL-01
- MB 229.3
- MB 229.5
- MB 226.5
- PORSCHE A40
- VW 502 00 / 505 00
- PSA B71 2296
- RENAULT RN0700 / 0710

Suitable for use in BMW, Mercedes Benz, Porsche, Volkswagen, Peugeot, Renault, Fiat, Ferrari, Chrysler, Toyota, Honda, Hyundai, Kia, Ravon, Genesis, Ford, Datsun, Dacia, Alfa Romeo, Audi, Geely, Great Wall, Opel, Mini, Seat, Skoda, Smart and in various European or Asian vehicles requiring a 5W-40 ACEA A3/B4 engine oil. Actively cleans the engine from particles and sludge accumulated from low quality oils.

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-40	SAE J300
Kinematic viscosity at: 40 °C	cSt	80.50	ASTM D445
100 °C	cSt	13.48	ASTM D445
Viscosity index	-	171	ASTM D2270
Cranking viscosity at -30°C	mPa-s	5927	ASTM D5293
Color	-	L3.5	ASTM D1500
Flash point	°C	236	ASTM D92
Pour point	°C	-45	ASTM D6892
Density at 30 °C	kg/L	0.8439	ASTM D4052
Total Base Number	mg KOH/g	11.80	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.