

### PRODUCT DESCRIPTION

Grand Touring 5W-40 is a high performance fully synthetic (PAO) engine oil formulated for use in modern gasoline and diesel engines, requiring an API SN/CF or ACEA A3/B3 or A3/B4 engine oil. It provides outstanding oil film thickness for optimum engine wear protection in hot or cold operating temperatures due to excellent low temperature properties of the synthetic base oils. Minimize engine deposit and emissions under heavy duty and stop-and-go-driving conditions.



Grand Touring 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. Keeps engine clean and effectively prevents varnish formation, making it a perfect choice for all driving conditions.

### APPLICATION

Provides broad range of engine protection for most modern passenger car and light duty diesel applications ranging from SUVs, luxury and high performance vehicles. It has been specifically formulated to meet the most demanding needs of the modern model European cars.

### WARRANTY

GRAND TOURING 5W-40 meets or exceeds the OEM's warranty requirements of gasoline & light duty diesel vehicles where API SN/SM/SL or ACEA A3/B3, A3/B4 oil is required, respectively. TOTACHI® guarantees full compliance on the written specifications indicated on product labels.

### CUSTOMER BENEFITS

- **Promotes long engine life**  
Improved anti-oxidation properties and excellent oil film stability to provide reliable protection of modern high-speed engines.
- **Easy cold weather starting**  
Due to Excellent low temperature properties of the synthetic base oils.
- **Extends drain intervals**  
The product's balanced formulation resists premature oil deterioration and ensures outstanding thermal resistance in extreme driving conditions, which allows vehicles to effectively operate even in extended service intervals.



### MEETS SPECIFICATIONS AND REQUIREMENTS OF:

- API SN/CF
- ACEA A3/B4;
- MB 229.5
- BMW Longlife-01
- Renault-Nissan / Datsun RN 0710/0700
- PSA Peugeot Citroen B71 2296
- Volkswagen/ Skoda/ Audi/ Seat VW 502.00/505.00
- Porsche A40
- Fiat/Alfa Romeo/Lancia H2, N2, M2
- GM-LL- B-025

Suitable for use in various OEMs such as TOYOTA, HONDA, GM-OPEL, DACIA, HYUNDAI, KIA, GENESIS, RAVON, HAVAL, GEELY, GREAT WALL, PSA PEUGEOT CITROEN, AUDI, BMW, OPEL, DATSUN, FIAT, ALFA ROMEO, MERCEDES BENZ, MINI, PORSCHE, RENAULT-NISSAN, SEAT, SKODA, SMART, VOLKSWAGEN and others requiring an API SN or ACEA A3/B3.

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	95.5	ASTM D445
100 °C	cSt	15.4	ASTM D445
Viscosity index	-	170	ASTM D2270
Cranking viscosity at -30°C	mPa-s	6241	ASTM D5293
Color	-	L3.0	ASTM D1500
Flash point	°C	234	ASTM D92
Pour point	°C	-42	ASTM D6892/5950
Density at 30 °C	kg/L	0.846	ASTM D4052
Total Base Number	mg KOH/g	10.0	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 AND 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<sup>®</sup> distributor.