

### PRODUCT DESCRIPTION

Pro Touring L 5W-30 is a high-performance mid SAPS fuel economy fully synthetic engine oil formulated for modern gasoline and light duty diesel engines. Suitable for use in TGDI and CRDi (Hyundai, Kia), CDI or CRD(Mercedes), CDTi (FIAT), hybrid electric vehicles (HEV), plug-in hybrid electric vehicles (PHEV), range extended electric vehicles (REEV), battery-assisted hybrid vehicles (BAHV), Extended Range Electric Vehicle (EREV) and all other vehicles operating under severe urban conditions where "Stop-Start" modes are typical. Complies with the latest emission regulations of Euro VI. Outstanding wear protection and soot control in extended oil drain intervals. Protects engines from low-speed pre-ignition (LSPI) occurrence or premature engine knocks.



Pro Touring L 5W-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 oil film thickness and highly shear stable to ensure long term protection in powerful engines.

### APPLICATION

Recommended for all types of gasoline and light duty diesel engines that are fully equipped with Gasoline Particulate Filters (GPF), Diesel Particulate Filters (DPF) and Three-Way Catalyst (TWC) after treatment devices. For high performance, turbocharged, direct injection, downsized and hybrid vehicles running from mild to extreme operating conditions. Applicable for use in European vehicles requiring ACEA C3 or ACEA C2 lubricants.

Suitable for use in all types of fuels.

### WARRANTY

Pro Touring L 5W-30 meets or exceeds the OEM's warranty requirements of gasoline and diesel vehicles where API SP or ACEA C3 or ACEA C2 oil is required. TOTACHI® guarantees full compliance on the written specifications indicated on product labels.

### CUSTOMER BENEFITS

- **Enhanced Fuel Efficiency**  
Low friction properties and low viscosity oil for greater fuel efficiency. MB 229.52 offer at least 0.7% fuel savings over lower MB oils.
- **Extends Engine Life**  
Stays in grade through the oil service life and no premature oil thickening to ensure full engine lubrication even in harsh driving conditions.
- **Excellent Engine Performance**  
Better wear protection, anti-corrosion, and oxidation control in powerful engines to guarantee maximum engine performance even in extended drain intervals.
- **Compatibility with ECS (Emission Control System)**  
The low content of phosphorus and ash contributes to the long life of the Gasoline Particulate Filters (GPF), Diesel Particulate Filters (DPF), and Three-way Catalysts (TWC) devices.



### MEETS SPECIFICATIONS & REQUIREMENTS OF:

- API SP
- API SN PLUS, SN/CF
- ACEA C2/C3
- MB 229.52
- MB 229.51
- MB 229.31
- HYUNDAI/KIA
- FIAT

Suitable for use in Mercedes Benz, Volkswagen, Renault, Ford, General Motors, Lexus, Hyundai, Mitsubishi, Mini, Fiat and in various European, Asian, Russian cars, SUVs, CUVs, and other vehicles requiring a 5W-30 ACEA C3 or C2 engine oil. Low emission, fuel savings and maximum oil film lubrication to keep engines running like new.

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-30	SAE J300
Kinematic viscosity at:			
40 °C	cSt	71.44	ASTM D445
100 °C	cSt	12.03	ASTM D445
Viscosity index	-	166	ASTM D2270
Cranking viscosity at -30°C	mPa-s	6230	ASTM D5293
Color	-	L3.0	ASTM D1500
Flash point	°C	234	ASTM D92
Pour point	°C	-42	ASTM D6892
Density at 30 °C	kg/L	0.8429	ASTM D4052
Total Base Number	mg KOH/g	6.9	ASTM D2896

**HEALTH, SAFETY & ENVIRONMENT PROTECTION****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.

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.