

### PRODUCT DESCRIPTION

TOTACHI ULTIMA RACING 5W-40 is a 100% synthetic racing engine oil developed for motorsport applications and other high performance extreme driving conditions. Formulated based on the combination of high grade synthetic baseoils and premium chemical components for efficient operation of high-performance gasoline and diesel engines of race cars, sports cars and other powerful cars operating under severe conditions. Ensures a very responsive drive on racetracks, pushing your engine to the limits without any compromise.



Exclusively developed based on TOTACHI racing core technology, **ZFM+™** (Zero Friction Molecular PLUS). The innovative anti-friction technology of TOTACHI is synergized with the highest quality PAO & Esters to allow maximum power in every race without compromising the engine parts. Enhanced to ensure excellent strength of oil film under high temperature high shear conditions to minimize metal-to-metal contact, reducing wear and ensuring the overall health of the engine.

TOTACHI ULTIMA RACING 5W-40 guarantees optimum protection and performance in a wide range of speeds and loads. It maintains the cleanliness of the engine, prevents the formation of varnish, burnout, and low temperature deposits for a maximized durability & performance of the sophisticated high-tech engines.

The exceptional performance of TOTACHI ULTIMA RACING range makes it a perfect choice for racing enthusiasts.

### APPLICATION

For use in gasoline and diesel engines without Diesel Particulate Filters (DPF), naturally aspirated or turbocharged. Designed for racing cars, high performance cars, sports cars, passenger cars, modified cars, and other vehicles where a SAE 5W-40 grade is recommended.

### WARRANTY

TOTACHI ULTIMA RACING 5W-40 meets or exceeds the OEM's warranty requirements of gasoline and light duty diesel

vehicles without after treatment devices requiring API SP or ACEA A3/B4 engine oil. TOTACHI® guarantees full compliance on the written specifications indicated on product labels.

### CUSTOMER BENEFITS

- **Ultimate performance**  
TOTACHI ULTIMA RACING range is formulated using unique TOTACHI **ZFM+™** technology for maximum oil film strength and outstanding wear protection of all engine parts during extreme driving conditions.
- **Engine durability**  
Robust technology perfectly formulated for engines with higher horsepower and torque. Provides maximum protection ensuring the engine durability over the oil service life.
- **Excellent compatibility**  
Product is fully compatible with all engine components, meets the latest environmental standards for modern engines.
- **Exceptional Engine Durability**  
Advanced componentry for ultimate engine protection against LSPI or severe knocking which can cause catastrophic engine failure.



### MEETS SPECIFICATIONS AND REQUIREMENTS OF:

- Race performance
- API SP
- ACEA A3/B4
- BMW LL-01
- MB 229.5
- MB 226.5
- PORSCHE A40
- PSA B71 2300
- VW 502 00 / 505 00
- RENAULT RN0710/RN0700

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	90.19	ASTM D445
100 °C	cSt	14.83	ASTM D445
Viscosity index	-	173	ASTM D2270
Cranking viscosity at -30°C	mPa-s	5686	ASTM D5293
Color	-	L3.5	ASTM D1500
Flash point	°C	232	ASTM D92
Pour point	°C	-45	ASTM D97
Density at 30 °C	kg/L	0.8555	ASTM D4052
Total Base Number	mg KOH/g	12.35	ASTM D2896

**STORAGE AND HANDLING GUIDELINES**

- Store in cool and dry places. Avoid exposing products to moisture.
- Avoid exposing products to direct sunlight.
- 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® distributor.