

### PRODUCT DESCRIPTION

TOTACHI ULTIMA RACING 10W-60 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, modified cars, and other powerful cars operating under severe conditions. Guarantees high resistance against extreme pressure during the severe operating conditions during speeding.



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 10W-60 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 10W-60 grade is recommended.

### WARRANTY

TOTACHI ULTIMA RACING 10W-60 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.
- **Longer engine life**  
The advanced chemistry of raw materials effectively minimizes engine wear and reduces deposits during the severe driving conditions, hence, prolongs the life of the engine.
- **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

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	-	10W-60	SAE J300
Kinematic viscosity at: 40 °C	cSt	153.60	ASTM D445
100 °C	cSt	23.06	ASTM D445
Viscosity index	-	180	ASTM D2270
Cranking viscosity at -25°C	mPa-s	4112	ASTM D5293
Color	-	L3.5	ASTM D1500
Flash point	°C	244	ASTM D92
Pour point	°C	-45	ASTM D97
Density at 30 °C	kg/L	0.8571	ASTM D4052
Total Base Number	mg KOH/g	11.90	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.