

PRODUCT DESCRIPTION

TOTACHI ULTIMA RACING 0W-20 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. Low viscosity formulation to provide excellent fluidity and rapid engine protection from start to the end of the race.



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. **Maximizes the engine's horsepower, torque and acceleration.** Enhances component protection, thanks to the quick oil distribution during engine start up.

TOTACHI ULTIMA RACING 0W-20 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 0W-20 grade is recommended.

WARRANTY

TOTACHI ULTIMA RACING 0W-20 meets or exceeds the **OEM's warranty requirements of gasoline and light duty** diesel vehicles without after treatment devices requiring API SP 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.
- **Rapid engine protection and performance**
Low viscosity oil for quick oil distribution and rapid engine protection, thus, reduces internal friction and instantly maximizes the horsepower and torque.
- **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
- API SN PLUS, API SN/CF

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	-	0W-20	SAE J300
Kinematic viscosity at: 40°C	cSt	46.20	ASTM D445
100°C	cSt	8.68	ASTM D445
Viscosity index	-	169	ASTM D2270
Cranking viscosity at -35°C	mPa-s	6043	ASTM D5293
Color	-	L3.5	ASTM D1500
Flash point	°C	218	ASTM D92
Pour point	°C	-45	ASTM D97
Density at 30 °C	kg/L	0.8431	ASTM D4052
Total Base Number	mg KOH/g	12.7	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.