

PRODUCT DESCRIPTION

TOTACHI MOTO 4T OPTIMA 15W-50 is a premium motorcycle oil for all 4-stroke motorcycles used on the road or off-road. The formulation is balanced with active components to guarantee rider's satisfaction. Good lubricating properties for high mileage and older motorcycles, providing good oil sealing on wider engine clearances. Delivers maximum engine power, reduces noise and ensures longevity of engine life. Lower oil consumption guarantees continuous engine protection during the oil service life.



Carefully balanced with TOTACHI's advanced **INFINITE™** Technology, offering continuous and robust protection for the engine and after-treatment systems. It exceeds the performance demands of high-power density engines, providing exceptional

cleanliness, power, wear protection and oxidative resistance to maximize the engine life.



Unique frictional properties to effectively balance power efficiency and fuel economy, while ensuring optimal clutch friction engagement and

durability. It enhances power output, enables smoother gear shifting and maintains a cooler engine, delivering reliable performance even in demanding riding conditions.

TOTACHI MOTO 4T OPTIMA 10W-30 offers excellent thermal stability for oil's optimal performance throughout its service life. Enhanced performance to protect the engine, clutch, and gearbox from mechanical failure. Good anti-rust and anti-corrosion properties. It's the right oil for stop-and-go driving conditions.

TOTACHI MOTO 4T OPTIMA 15W-50 is formulated with high quality detergent and dispersant to maintain the engine cleanliness. Enhanced performance to protect the engine, clutch, and gearbox from mechanical failure. Good anti-rust and anti-corrosion properties. It's the right oil for stop-and-go driving conditions. Reduced friction to lower the fuel consumption.

APPLICATION

Recommended for all types of 4-stroke gasoline motorcycle engines requiring a viscosity grade of SAE 15W-50 and JASO MA2 or MA oils. Ideal for bikes working under severe operating temperatures. Suitable for use in cold and warm climates. Meets the most demanding needs of American,

Japanese, European, Chinese, Indian, Asian and other 4-stroke motorcycle makers.

WARRANTY

TOTACHI MOTO 4T OPTIMA 15W-50 meets or exceeds the OEM's warranty requirements of 4-stroke requiring API SN or lower engine oil. TOTACHI® guarantees full compliance on the written specifications indicated on product labels.

CUSTOMER BENEFITS

- **Outstanding engine performance**
Keeps the engine clean to ensure parts move smoothly, reducing friction and enhancing responsiveness and power output of the engine.
- **Optimum friction performance**
Guarantees an efficient friction level to ensure perfect clutch engagement in a variety of riding modes.
- **Maintains engine cleanliness**
Effective detergent and dispersants to provide optimal reduction of sludge, deposits, carbons and varnish which can impair the engine efficiency.
- **Reduced maintenance costs**
Outstanding high temperature protection and anti-oxidation properties to retain the oil's quality throughout the service period, resulting in reduced repairs and lower long-term maintenance costs.
- **Excellent compatibility**
Product is fully compatible with all engine components, meets the latest environmental standards for modern engines.



MEETS SPECIFICATIONS AND REQUIREMENTS OF:

- API SN
- JASO MA2

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 | - | 15W-50 | SAE J300 |
| Kinematic viscosity at: 40 °C | cSt | 133.10 | ASTM D445 |
| 100 °C | cSt | 17.18 | ASTM D445 |
| Viscosity index | - | 141 | ASTM D2270 |
| Cranking viscosity at -20°C | mPa-s | 5909 | ASTM D5293 |
| Color | - | L2.5 | ASTM D1500 |
| Flash point | °C | 240 | ASTM D92 |
| Pour point | °C | -39 | ASTM D97 |
| Density at 30 °C | kg/L | 0.8597 | ASTM D4052 |
| Total Base Number | mg KOH/g | 6.8 | 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.