

1 - International Standards

API TC
JASO FB

Exceeds JASO norm

Advanced Technology



2 - Application

Depending on their use, particularly in dense urban areas with frequent stops and starts, motorcycles are subjected to high stresses that can lead to engine fouling, excessive wear, with a risk of breakdowns or mechanical failures.

In addition, the more recent introduction of biofuels can impact engine performance. Depending on the availability of different fuel types, some users may switch from one to another, highlighting the importance of lubricant and fuel compatibility.

3 - Customer Benefits



Optimal Combustion with All Types of Fuel

Thanks to its formulation combining synthetic technologies and additives, regardless of the type of fuel used, ELF MOTO 2 RIDER:

- Guarantees perfect compatibility and homogeneous mixing with all fuel types, including biofuels such as ethanol.
- Maintains a high level of engine protection by preserving the integrity of the oil film, under all operating conditions.

Engine Cleanliness for Sustained Performance

• Thanks to the ELF cleaning formula, which combines detergent, dispersant, and antioxidant properties, ELF MOTO 2 RIDER prevents sludge formation and deposits on different areas of the piston (ring grooves, crown, skirt) and in the combustion chamber.

--> Engine Cleanliness:

- Prevents loss of compression and related power loss.
- Reduces friction and associated damage.
- Maintains maximum contact surface with the oil to optimize heat transfer and prevent overheating.
- Reduces smoke.

The engine maintains optimal efficiency.

4 - Characteristics

TEST	TEST METHOD	UNITS	VALUE
Density at 15°C	ASTM D1298	kg/m ³	882
Kinematic Viscosity at 40°C	ASTM D445	mm ² /s	82.5
Kinematic Viscosity at 100°C	ASTM D445	mm ² /s	10.6
Viscosity index	ASTM D2270	-	110
Pour point	ASTM D97	°C	-27
Flash point	ASTM D92	°C	160

* The characteristics given above are obtained with a standard tolerance threshold during production and may not be considered specifications.

5 - Recommendations for Use

Before using the product, the vehicle's maintenance guide should be checked. Oil changes should be carried out in accordance with the manufacturer's recommendations.

The product should not be stored at temperatures over 60°C. It should be kept away from sunlight, intense cold and extreme temperature fluctuations. If possible, the packaging should not be exposed to the elements.

Otherwise, the drums should be laid horizontally in order to avoid any contamination from water and to prevent the product's label from rubbing off.

6 - Health, Safety and The Environment

Based on the toxicological information available, this product should not cause any adverse health effects, provided it is used for its intended purpose and in accordance with the recommendations laid out in the Safety Data Sheet (SDS).

The SDS is available on request from your local reseller and at <https://ms-sds.totalenergies.com>.

This product should not be used for any purposes other than the ones for which it is intended.