

## 1 - International Standards

API SP  
JASO MA2

Exceeds JASO T 903:2023 level  
Officially approved: M033TEL302

100% Synthetic



## 2 - Application

Designed for high-performance 4-stroke motorcycles, for sporting use or in high-RPM racing conditions requiring maximum power and acceleration.

These conditions involve:

- High friction levels and a risk of significant wear on engine components
- Extreme heat leading to potential oil degradation and the formation of deposits.

Inadequate maintenance under such conditions can lead to loss of performance, risk of breakdown, or even serious mechanical failure.

## 3 - Customer Benefits



### Acceleration Responsiveness

- Thanks to specific additives, ELF MOTO 4 RACER 10W-50 provides enhanced grip on the clutch discs, ensuring better power transfer and greater responsiveness during gear changes.
- Friction control is ensured by ELF's HTX technology, guaranteeing the perfect balance between grip and protection.

### Optimized and Preserved Power

- Thanks to its 100% synthetic formulation, ELF MOTO 4 RACER 10W-50 oil preserves engine cleanliness and combustion efficiency, thus enabling improved engine performance.
- In addition, the high-performance additives used are fully compatible with DLC (Diamond Like Carbon) treatments and ceramic composites, ensuring protection, durability, and maintaining a high level of performance.

### Maximum Long-Lasting Protection

- Thanks to its molecular structure, HTHS (High Temperature High Shear) viscosity, and anti-wear properties, ELF MOTO 4 RACER 10W-50 ensures oil film resistance, providing excellent piston protection even under extreme conditions.

### Better Heat Transfer

- Thanks to its "COOLING EFFECT" technology, ELF MOTO 4 RACER 10W-50 oil enhances heat transfer, preventing overheating and parts deformation, even under intensive and prolonged use.

### Endurance - Durability

- ELF's 100% synthetic formulation guarantees excellent thermal stability and optimal resistance to oxidation.
- It exceeds the requirements of the most rigorous oxidation tests and maintains its effectiveness even with significant temperature variations (hot or cold).

## 4 - Characteristics

| TEST                         | TEST METHOD | UNITS              | VALUE |
|------------------------------|-------------|--------------------|-------|
| Density at 15°C              | ASTM D1298  | kg/m <sup>3</sup>  | 853   |
| Kinematic Viscosity at 40°C  | ASTM D445   | mm <sup>2</sup> /s | 119   |
| Kinematic Viscosity at 100°C | ASTM D445   | mm <sup>2</sup> /s | 17.7  |
| Viscosity index              | ASTM D2270  | -                  | 164   |
| Pour point                   | ASTM D97    | °C                 | -36   |
| Flash point                  | ASTM D92    | °C                 | 250   |

\* 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.