

1 - International Standards

API TC
JASO FD

Exceeds JASO norm

100% Synthetic



2 - Application

Specially designed for competitive off-road racing, ELF OFFROAD 2 RACER meets the requirements of racers seeking maximum power and responsiveness when accelerating or changing gears.

The extreme conditions of off-road racing put mechanical components under severe strain.

Inadequate maintenance can lead to overheating, friction-related wear and, as a result, an increased risk of power loss, breakdowns, or mechanical failure.

3 - Customer Benefits



Preserved Performance and Power

Thanks to ELF's 100% synthetic formulation combined with "combustion efficiency" technology, ELF OFFROAD 2 RACER:

- Ensures instant and stable mixing with fuel, improving combustion efficiency while reducing resistance to movement to maximize your engine's performance and power.
- Exceeds the highest level of the JASO standard (JASO FD), which consists of a series of engine tests to measure lubrication, detergency, smoke level, and deposit formation.

Heat transfer

Thanks to its heat transfer properties, ELF OFFROAD 2 RACER optimises heat transfer, preventing damage caused by overheating, such as part deformation and the risk of engine seizure, even under prolonged intensive use.

Endurance

The use of ELF's 100% synthetic formulation provides excellent thermal stability and good oxidation resistance. It exceeds the requirements of the most severe oxidation tests and remains effective at high and low temperatures.

Piston Protection

Thanks to an exclusive formulation combining base oils and specific additives, ELF OFFROAD 2 RACER retains excellent anti-wear properties, ensuring optimal piston protection, even in extreme conditions.

4 - Characteristics

TEST	TEST METHOD	UNITS	VALUE
Density at 15°C	ASTM D1298	kg/m ³	880
Kinematic Viscosity at 40°C	ASTM D445	mm ² /s	75
Kinematic Viscosity at 100°C	ASTM D445	mm ² /s	11
Viscosity index	ASTM D2270	-	-
Pour point	ASTM D97	°C	-30
Flash point	ASTM D92	°C	108

* 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.