GEARELF 4 SAE 90

GEARELF 4 SAE 90 is an extreme-pressure lubricant for the lubrication of loaded gears for which an API GL-4 level of performance is required.

Technical Data Sheet

International Specifications	API GL-4

* Refer to the maintenance book of your vehicle to know the recommendation of the manufacturer.

1 - Applications

GEARELF 4 SAE 90 is suitable for all manual transmissions, transaxles, transfer boxes and steering gears in automotive and agricultural equipments which require API GL-4 level of performance.

2 - Customer Benefits

Avoids noisy problems when changing speeds thank to its good shear stability ensuring a sufficient viscosity at high temperature (« stay-in-grade »).

High Extreme-Pressure and antiwear performance guaranteed by a stable sulfur-phosphorous additivation. Very high resistance to shear.

Good anticorrosive and antirust properties for protection of both ferrous and non-ferrous components.

This lubricant, used according to our recommendations and for the application for which it is intended, does not present any particular risk. A safety data sheet in accordance with the legislation in force in the C.E. is available from your sales advisor.

3 - Characteristics

TEST	TEST METHOD	UNITS	VALUE
Density at 15°C	ASTM D1298	kg/m^3	909
Kinematic Viscosity at 40°C	ASTM D445	mm^2/s	191
Kinematic Viscosity at 100°C	ASTM D445	mm^2/s	17.6
Viscosity index	ASTM D2270	-	99
Pour point	ASTM D97	°C	-15
Flash point	ASTM D92	°C	-
TBN	ASTM D2896	mgKOH/g	-
Sulphated Ash	ASTM D874	% m/m	-

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

4 - 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.

5 - 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.

This lubricant, used according to our recommendations and for the application for which it is intended, does not present any particular risk. A safety data sheet in accordance with the legislation in force in the C.E. is available from your sales advisor.