# GEARELF 4 SAE 140

GEARELF 4 SAE 140 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

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|---|---|
| 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 140 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 | $kg/m^3$ | 904 |
| Kinematic Viscosity at 40°C | ASTM D445 | $mm^2/s$ | 338 |
| Kinematic Viscosity at 100°C | ASTM D445 | $mm^2/s$ | 25.3 |
| Viscosity index | ASTM D2270 | - | 97 |
| Pour point | ASTM D97 | °C | -12 |
| 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.