

TRANSELF EP 80W-90 is adapted to mechanical transmissions in cars and trucks, agricultural machinery, and construction and handling equipment:

## Technical Data Sheet

### International Specifications

API GL-4

### Manufacturers Approvals

Approved :  
DTFR 13B100  
ZF TE-ML 16A, ZF TE-ML 17A, ZF TE-ML 19A

Meets the requirement of :  
MAN 341 TYPE E1

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

## 1 - Applications

- Mechanical gearboxes
- Axles in intermediate duty
- Power-assisted steering systems

## 2 - Customer Benefits

Offers extreme-pressure and anti-wear properties for extended gear life.

Demonstrates anti-rust protection for steel and copper, good viscosity index and low pour point for effective lubrication in all temperatures, thermal stability, inertness to seals, and anti-foaming capabilities.

## 3 - Characteristics

TEST	TEST METHOD	UNITS	VALUE
Density at 15°C	ASTM D1298	kg/m <sup>3</sup>	882,5
Kinematic Viscosity at 40°C	ASTM D445	mm <sup>2</sup> /s	139
Kinematic Viscosity at 100°C	ASTM D445	mm <sup>2</sup> /s	14,62
Viscosity index	ASTM D2270	-	107
Pour point	ASTM D97	°C	-39
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.