



# TRANSMISSION TM 80W-90

Transmission Oil for Axles

## KEY DATA

**MINERAL GEAR OIL**

**SAE 80W-90**

### INTERNATIONAL STANDARDS

✓ API GL-5

### MANUFACTURER APPROVALS

- ✓ ZF TE-ML 12E, 17B, 19B
- ✓ MAN 342 type M-1

## Applications

TOTAL TRANSMISSION TM 80W-90 is extreme pressure mineral oil for the lubrication of highly loaded gears (axles, final drives, transfer cases, planetary gearboxes) when an API GL-5 level of performance is required.

TOTAL TRANSMISSION TM 80W-90 is specially recommended for ZF and MAN hypoid gears, with standard drain interval.

## Customer Benefits

- **Efficient protection of gears against wear and corrosion** due to stable extreme-pressure properties
- **High compatibility with oil filters** due to antifoam properties
- **Efficient stability in operation** due to high viscosity index

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## Characteristics

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Test	Unit	Test method	Result
Volumetric mass at 15°C	kg/m <sup>3</sup>	DIN 51757 D	897
Viscosity at 40°C	mm <sup>2</sup> /s	ASTM D445	140
Viscosity at 100°C	mm <sup>2</sup> /s	ASTM D445	15
Viscosity index	-	ASTM D2270	105
Flash point	°C	ASTM D92	208
Pour point	°C	ASTM D97	- 27

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

## Recommendations for use

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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.

## Health, safety and the environment

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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. This can be obtained on request from your local reseller and is available for consultation at [www.quickfds.fr](http://www.quickfds.fr).

This product should not be used for any purposes other than the ones for which it is intended.

When disposing of the product after use, please protect the environment and comply with local regulations.