



# TRANSMISSION GEAR 9 FE 75W-80

Transmission Oil

## KEY DATA

**VERY HIGH PERFORMANCE LUBRICANT  
FOR HEAVY DUTY MANUAL AND  
AUTOMATED TRANSMISSIONS**

**SAE 75W-80**

**FUEL ECONOMY**

### INTERNATIONAL STANDARDS

✓ API GL-4

### MANUFACTURER APPROVALS

✓ ZF TE-ML 01E / 02E / 16P

✓ VOITH CLASS C

✓ VOLVO 97307

✓ MAN 341 type Z5

✓ MAN 341 type VR

✓ MB-Approval 235.29

## Applications

TOTAL TRANSMISSION GEAR 9 FE 75W-80 is a **synthetic based lubricant for manual and automated gearboxes**, whether synchronized or non- synchronized, running under the most severe conditions of load, speed and temperature.

TOTAL TRANSMISSION GEAR 9 FE 75W-80 is specifically developed for **all ZF gearboxes with or without Intarder** allowing a drain interval up to 540.000 km. This lubricant is particularly suited for **latest ZF gearboxes with Carbon synchronization (ZF TE-ML 01E) and for ZF gearboxes with Molybdenum synchronization (ZF TE-ML 02E)**.

TOTAL TRANSMISSION GEAR 9 FE 75W-80 is a lubricant **with VOLVO 97307 approval** (Drain interval up to 400.000 km).

TOTAL TRANSMISSION GEAR 9 FE 75W-80 is developed for **MAN 341 type Z5 approval** (Drain interval up to 500.000 km) **with or without Intarder**.

TOTAL TRANSMISSION GEAR 9 FE 75W-80 is also approved for retarder application **VOITH CLASS C, MAN 341 type VR, MB-Approval 235.29 with the maximum drain interval of 240.000 km**.

TOTAL TRANSMISSION GEAR 9 FE 75W-80 is **particularly suitable for extended drain intervals** on gearboxes of commercial vehicles from Renault Trucks, DAF, Iveco and for all commercial vehicles equipped with manual and automated gearboxes and any application requiring an API GL-4 level of performance.

## Customer benefits

- **Reduced fuel consumption** in comparison with standard lubricants due to TOTAL's Fuel Economy technology.
- **Reduced cost of maintenance:** specially formulated to reach extended drain intervals recommended by the manufacturer.
- **Excellent protection of gearboxes** against wear and corrosion due to extreme-pressure properties of oil.
- **Improved driver start up experience:** low temperature fluidity due to a high viscosity index, generating benefits during cold starts and limiting drag losses and fuel consumption.
- **Excellent stability in operation** due to high viscosity index
- **High compatibility with oil filters** due to antifoam properties
- **Improved gear engagement:** gear shiftability with a variety of synchroniser materials such as sinter, molybdenum and carbon.
- **Supports rationalisation** of products (ZF, VOITH, VOLVO, MAN, MERCEDES BENZ)

## Characteristics\*

Test	Unit	Test method	Result
Volumetric mass at 15°C	kg/m <sup>3</sup>	DIN 51757 D	858
Viscosity at 40°C	mm <sup>2</sup> /s	ASTM D445	54
Viscosity at 100°C	mm <sup>2</sup> /s	ASTM D445	9.35
Viscosity index	-	ASTM D2270	157
Flash point	°C	ASTM D92	240
Pour point	°C	ASTM D97	-42
Viscosity Brookfield at -40°C	mPa.s	ASTM D-2983	42 400

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

## 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.

## 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. 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.