

# TRANSMISSION XS FE 75W-80



## VERY HIGH PERFORMANCE LUBRICANT FOR MANUAL GEARBOXES

### USES

- Synthetic based oil for manual and automated mechanical gearboxes, whether synchronized or non-synchronized, functioning under the most severe conditions of load, speed and temperature.
- Specifically developed for heavy duty ZF gearboxes fitted with an integrated retarder (ZF Intarder), where the thermal constraints are the most severe. Extensive bench and field testing have been performed successfully, even on the most recent gearboxes.

- Can be recommended for any application requiring an API GL-4 level of performance..
- Is particularly suitable for extended drain intervals (up to 300 000km), on manual gearboxes of commercial vehicles from Renault Trucks, DAF, MAN, Iveco, and for all vehicles equipped with ZF manual gearboxes.
- Has been tested on Volvo trucks and is suitable when a Volvo 97307 level of performance is required
- Can be used on Scania and Mercedes gearboxes

### PROPERTIES

- **Very high viscosity index** allowing easy cold start and good gear shifting feelings under all circumstances.
- **Enhanced extreme-pressure and antiwear properties**, for a maximal durability of gears and bearings as well as synchronisers.
- **Outstanding resistance to oxidation and thermal stability**, even better than fully synthetic oils, allowing optimal functionality of all the gearbox components for extended drain intervals up to 300 000 km and more.

NB - Compatible with most of synchroniser materials

- Very fluid multigrade formulation **generating fuel economy savings** to the truck owner by the limitation of friction, drag and splash losses which affect gearbox efficiency. This lubricant has been certified by TUV in 2009: after tests carried out in Millbrook (UK) on a Euro 4 truck, the TUV certified that the combined use of this product together with a Fuel Economy engine oil **help save 3% of fuel on average** (up to 6,41%)



### SPECIFICATIONS

ZF TE-ML 02E  
MAN 341 type Z-5

Meets the performance requirements of the following international specifications :

API GL-4

### CHARACTERISTICS

	Units	Grade SAE <b>75W-80</b>
Volumetric mass at 15°C	kg/m <sup>3</sup>	858
Viscosity at - 40°C	mPa.s	42 400
Viscosity at 40°C	mm <sup>2</sup> /s	54
Viscosity at 100°C	mm <sup>2</sup> /s	9.35
Viscosity index	-	157
Flash point Cleveland	°C	240
Pour point	°C	- 42

*The typical characteristics mentioned represent mean values.*

TOTAL LUBRIFIANTS  
562 avenue du Parc de L'île  
92029 NANTERRE Cedex  
France

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This lubricant, when used in accordance with our recommendations and for the application for which it is intended, does not constitute a special hazard.  
A safety data file conforming to the requirements of current EC legislation is available from your local trade consultant