



# TRANSMISSION SYN FE 75W-90



TOTAL



## HIGH PERFORMANCE SYNTHETIC GEAR OIL

### APPLICATIONS

- Very high performance multigrade synthetic oil for the lubrication of highly loaded gears.
- Designed to meet the challenge of the T.D.L. (Total Drive Line) concept : a high performance lubrication of hypoid axles as well as synchronized gearboxes.
- Suitable when filters are part of the lubrication system.
- Is recommended for manual gearboxes, rear axles, or any gear assembly requiring API GL-4, API GL-5, API MT-1 or SAE J2360 levels of performance.
- Particularly suitable for the lubrication of rear axles and final drives of commercial vehicles from Mack, MAN, DAF, Iveco, Volvo, Renault Trucks, Mercedes-Benz, with extended drain interval up to 540 000km.

### PROPERTIES

- Very high viscosity index
- Outstanding extreme-pressure and antiwear properties preventing scufing, wear and pitting of axle gears and bearings, even under very highly loaded conditions.
- Excellent resistance to oxidation and high shear stability providing capacity for very extended drain intervals (up to 540 000km) with intact performance.
- Exceptional filterability and good antifoam behaviour allowing optimal oil flow in the axles and gearboxes.
- Excellent anticorrosion, antifoam, antirust and dispersivity properties, providing durability benefits Easy gear shifting as well under cold or hot conditions of use, providing optimal driving confort.
- Reduction of friction, drag and splash losses providing improvement of the efficiency of the driveline and generating fuel economy: this lubricant has been certified by TUV in 2009: after tests carried out in Millbrook (UK) on a Euro 4 truck, the TUV confirms that the combined use of this product together with a Fuel Economy engine and gear oil help save 3% of fuel on average
- Compatible with most of synchronizer materials, providing durability of gear shifting quality of manual gearboxes.



### CHARACTERISTICS

	Units	SAE Grade 75W-90
Specific Gravity at 15°C	kg/m <sup>3</sup>	866
Viscosity at 40°C / at 100°C	mm <sup>2</sup> /s	101 / 15
Dynamic Viscosity at - 40°C	mPa.s	66 000
Viscosity Index	-	157
Pour Point	°C	-51
Cleveland Flash point	°C	190

The typical characteristics mentioned represent mean values.

### SPECIFICATIONS

DAF (extended drain for rear axles)  
 MB-Approval 235.8  
 MACK GO-J  
 MAN 3343 type S (ex MAN 3343 type SL)  
 SCANIA STO 1:0  
 ZF TE-ML 02B, 05B, 07A, 12B, 16F, 17B, 19C, 21 B

Meets the performance requirements of the following international specifications :  
 API GL-4  
 API GL-5  
 API MT-1  
 MIL-PRF-2105E / SAE J2360 (n°PRI GL 0272)

TOTAL LUBRIFIANTS  
 562 Avenue du Parc de l'île  
 92029 NANTERRE Cedex  
 FRANCE

TRANSMISSION SYN FE 75W-90  
 Updated : 04/2010  
 Sticker ref : MPR/11/06



This lubricant used in accordance with our recommendations and for the application for which it is intended does not represent a special hazard. A safety data file conforming to the requirements of current E.C. legislation is available from your local trade consultant and downloaded from <http://www.quick-fds.com>