

# TRANSMISSION MDL 80W-90



## GEAR OIL

### USES

- High performance oil developed to meet the T.D.L. concept (**T**otal **D**rive **L**ine ) for synchronised or non-synchronised manual gearboxes, axles and reduction gears.
- Recommended when filters are added to the lubrication system.
- Recommended for manual gearboxes and axles requiring API GL-4 or API GL-5 or API MT-1 level.

### PROPERTIES

- High viscosity index.
- Increased Extreme-Pressure and antiwear properties for an optimized lubrication of hypoid or non-hypoid axles.
- Excellent antifoam, anticorrosion, antirust properties.
- Excellent thermal stability.
- Driving comfort.
- Excellent stability in service.
- Compatible with most types of synchronisers for an optimized lubrication of manual gearboxes.
- Extended drain interval.

### CHARACTERISTICS

TRANSMISSION MDL	Units	Grade SAE 80W-90
Volumetric mass at 15°C	kg/m <sup>3</sup>	900
Viscosity at 40°C	mm <sup>2</sup> /s	159
Viscosity at 100°C	mm <sup>2</sup> /s	16.5
Viscosity index	-	109
Viscosity at -26°C	mPa.s	130 000
Flash point Cleveland	°C	192
Pour point	°C	-36

*The typical characteristics mentioned represent mean values.*

### SPECIFICATIONS

API MT-1, API GL-4, API GL-5  
MAN 3343 type M (ex MAN 3343 type ML)  
SCANIA STO 1:0  
ZF TE-ML 02B, 05A, 07A, 12E, 16B, 17B, 19B

TOTAL LUBRIFIANTS  
16, rue de la République  
92800 PUTEAUX

TRANSMISSION MDL 80W-90  
NOVEMBER 2006  
N° MPR 11/06



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