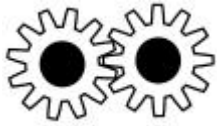


TRANSELF UNIVERSAL FE 80W-90



Extreme-pressure lubricant for heavily loaded gearboxes and axles.

UTILISATIONS

Mechanical gearboxes and axles in trucks and vans, in construction and agricultural machinery

- For lubricating a wide range of mechanical gearboxes and differentials in light vans, trucks, agricultural and construction machinery in the most heavy duty conditions.
- Specially adapted for lubricating rear axles where operating temperatures are high and for which the user also seeks to extend the oil drain intervals.

PERFORMANCES

**API MT-1, GL-4 & GL-5
MIL-L-2105D**

APPROVED BY MAN, ZF

- Meets the requirements of the highest levels of the international API and MIL specifications.
- Manufacturer approvals:
 - MAN 3343 type ML
 - ZF TE ML 02B, 05A, 07A, 08, 12E, 16B, 17B
- Satisfies the requirements of the following manufacturers:
 - DAF
 - EATON
 - IVECO
 - RENAULT VI (extended drain interval)
 - VOLVO

CUSTOMERS BENEFIT

Rationalisation

Extended drain interval

Fuel saving

- Multifunctional use in many axles and gearboxes.
- Particularly stable coefficient of friction ensuring good synchronisation in all situations for a wide range of gearboxes.
- Very high level extreme pressure and anti-wear capabilities.
- Very good thermal performance guaranteeing that the product is stable even under heavy loads and at high temperature.
- Enhanced anti-rust and anti-corrosion capabilities.
- Inert to seals.
- Carefully designed frictional properties with base components selected to reduce vehicle fuel consumption.

CHARACTERISTICS

CHARACTERISTICS	Unités	Grade 80W-90
Density at 15 °C	---	0.886
Kinematic viscosity at 40°C	mm ² /s	115
Kinematic viscosity at 100 °C	mm ² /s	14.1
Viscosity index	---	123
Pour point	°C	-33

The characteristics shown are mean values

TOTAL LUBRIFIANTS
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TRANSELF UNIVERSAL FE 80W-90
Octobre 2003



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