



TECHNICAL DATA SHEET

SM 80W-90 GL5

Product Type	80W-90 MINERAL GEAR OIL
Product Code	NT313

Description

Recommended for highly stressed manual gearboxes, heavily loaded axle drives and synchronised or non-synchronised transmissions where an oil meeting the approvals of this grade is called for

Benefits

- Longer oil drain capability
- Reduced lubricant usage
- Longer equipment life
- Greater efficiency thus higher fuel economy
- Outstanding thermal stability

Specifications

Always check the owner's manual for the correct oil specification to use.

- API MT-1, GL-4, GL-5
- SAE J2360
- ARVIN MERITOR 0-76-D
- MACK GO-J
- MAN 341 Type E-2 & Z-2, MAN 342 Type M-2
- MERCEDES-BENZ MB-235.0
- MIL-PRF-2105E
- SCANIA STO 1:0
- ZF TE-ML 02B, 05A, 07A, 08, 12E, 12M, 16B, 16C, 16D, 17B, 19B, 21A



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Typical Properties

Test	Method	Unit	Value
SAE Viscosity Grade	SAE J306	-	80W-90
Viscosity @ 100°C	ASTM D-445	mm ² /s	15,4
Viscosity @ 100°C; After shearing	ASTM D-6278	mm ² /s	Stay-in-grade
Viscosity @ 40°C	ASTM D-445	mm ² /s	148
Viscosity Index	ASTM D-2270	-	106
Pour Point	ASTM D-5950	°C	-33
Specific gravity	ASTM D-4052	-	0,895
Flash point	ASTM D-92	°C	>200

Health and Safety

This product is not likely to present any significant health or safety hazards when properly used in the recommended application and good standards of personal hygiene are maintained.

A safety data sheet is available on request.

Disposal

Take used oil to an authorized collection point. Comply with local regulations. Do not discharge into drains, soil or water.

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