



**TECHNICAL
DATA
SHEET**

SM 80W-90 GL5

Heavy duty GL-5, GL-4 & MT-1 gear oil for manual gearboxes

Product code: U313

Product Description:

SM 80W-90 GL5 is a heavy duty, multipurpose, long life automotive gear oil meeting the requirements of both API GL-5 and MT-1.

SM 80W-90 GL5 is manufactured from solvent refined base stocks, combined with a powerful total driveline performance additive and a highly shear stable viscosity modifier. SM 80W-90 GL5 is a high performance manual gearbox oil and exhibits unsurpassed load carrying capacity, which is essential for shock load, high torque and high speed service operation.

Benefits:

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

Applications:

SM 80W-90 GL5 is 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. This grade is particularly suitable for use in Scania, DAF, Renault and Iveco where an API GL-5 and MIL-PRF-2105E 80W-90 grade is required.

Product Specification:

API	GL-5, GL-4 and MT-1
MAN	M 3343 Type M, 342 Type M-2, 341 Type E-2 & Z-2
Military	MIL-PRF-2105E
Scania	STO 1:0
Arvin Meritor	0-76-D

SAE	J.2360
ZF TE-ML	02B, 05A, 07A, 08, 12E, 12M, 16B, 16C, 16D, 17B, 19B & 21A
Mack	GO-J
Mercedes-Benz	MB 235.0



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Typical Test Data:

Appearance	Amber
Density @ 20°C	0.893
Kinematic Viscosity @ 40°C (cSt)	140.2
Kinematic Viscosity @ 100°C (cSt)	14.42
Viscosity Index	101
Flash Point PMCC (°C)	235

Health & Safety:

Please refer to the health and safety data sheet, a copy of which is freely available to all of our customers.