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Document Number:
TDS 033

SUBJECT: OIL SPECIFICATIONS

ENVIRONMENTAL & QUALITY MANUAL
(in accordance with ISO 9001 & 14001)

VISCOL GL5 80W90 AUTOMOTIVE GEAR OIL

Description & Characteristics:

Premium quality extreme-pressure (EP) gear lubricant formulated for hypoid axles and heavily loaded final drives where API GL-5 performance is specified.

Sulphur-phosphorus EP chemistry provides scuffing and pitting protection under shock loading, with oxidation stability for high-temperature operation and good seal compatibility.

VISCOL 80W90 AUTOMOTIVE GEAR OIL	
Viscosity @ 40°C (cSt)	130
Viscosity @ 100°C (cSt)	13,9
Viscosity Index	95
Flash Point(°C)	164
Pour Point(°C)	-35

Performance Level:

API GL-5 (meets requirements).

Meets requirements of legacy MIL-PRF-2105E / MIL-L-2105D (obsolete; for reference only).

Suitable for use where the following ZF TE-ML categories are specified for hypoid axles and final drives: TE-ML 05A / 12E / 16B / 17B / 19B / 21A (confirm sub-codes per application).

Suitable for use where Daimler-Benz 235.0/235.6/235.7 and MAN 342 family requirements are specified (confirm variant as applicable).

Benefits:

High EP performance for hypoid gear sets under shock load and high torque.

Corrosion protection for ferrous and non-ferrous components.

Oxidation stability to minimize thickening and deposits; supports extended service life.

Low-temperature fluidity to support cold-start circulation.

Page: 1/2	Date: 19/12/2024	Supersedes: 02
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Applications:

Recommended for automotive axles and final drives where API GL-5 is specified, including hypoid gear sets in passenger cars, SUVs, and commercial vehicles.
Not intended for synchromesh manual transmissions requiring API GL-4; use a dedicated GL-4 product for synchronizer compatibility.

Experienced personnel from our Technical Division are available for discussion on all aspects. Recommendations are given in good faith but without warranty. It is the user's responsibility to determine the suitability for his own use.

The products discussed are sold without any warranties either expressed or implied, including warranties of merchantability and of fitness for particular purpose.

Page: 2/2	Date: 19/12/2024	Supersedes: 02
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