

80W-90 Hypoid GL5

Description and Properties:

80W-90 Hypoid GL5 gear oils are high-alloyed oils, which especially are designed for the lubrication of high-loaded hypoid gears with wide offset as well as for power take-off gears, intermediate gears and secondary gears in motor vehicles and construction machines, but also for non-synchronised manual gears.

80W-90 Hypoid GL5 gear oils are oxidation-resistant and provided with thermo-stable EPadditives which allow assured control of extreme tooth flank pressures and trouble-free transmission of great torques.

- good cold flow properties
- high aging stability
- low foaming tendency
- high shear stability
- assured corrosion protection
- elastomer compatibility

Application:

80W-90 Hypoid GL5 gear oils are recommended for the usage in motor vehicle gears, which are exposed to extreme pressure- and temperature loadings. This especially applies to rear axles with hypoid gearing. Furthermore and in accordance with the manufacturer's instructions they may be used for combined steering and axle gears and for non-synchronised steering transmissions.

Specification / Recommendations:

API GL-5	ZF TE-ML 05A, 07A, 08, 12E, 16B-D, 17B, 19B, 21A
MIL-L-2105 D	MAN 342 M-2
MB 235.0 & MB 235.6	

Typical Values:

80W-90 Hypoid GL5	Unit	Value	Method
Density at 15°C	kg/m ³	901	DIN 51 757
Viscosity at 40°C	mm ² /s	180	DIN 51 562
Viscosity at 100°C	mm ² /s	16,7	DIN 51 562
Pourpoint	°C	-33	DIN ISO 3016
Flash point	°C	215	DIN ISO 2592
FZG-test A/16,6/90 damage loading step		>12	DIN 51 354

*Specification variations in these characteristics may occur. The instructions of manufacturer must be regarded.
Further information available by MSDS.*

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