

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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