GERMAN ADLER GMBH
Kennedyallee 93
60596 Frankfurt am Main
Phone: +49 69 697 692 10
Fax: +49 69 697 962 15
info@german-adler.com
www.German-Adler.com

PRODUCT INFORMATION *GERMAN ADLER GEAR OIL SAE 80W-90*

Hypoid-gear oil for motor vehicles and construction machines

Description

GERMAN ADLER GEAR OIL SAE 80W-90 is high-alloyed oil, which especially is 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.

Application

GERMAN ADLER GEAR OIL SAE 80W-90 is 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.

In compliance to EEC regulations the quality of GERMAN ADLER GEAR OIL SAE 85W-140 is equivalent according to the following standards / specifications:

- API GL-5
- MAN 342 M-2 (160.000 km oil change)
- MB 235.0 / MB 235.6
- MIL-L-2105 D
- ZF TE-ML 05A, 07A, 08, 12E, 16B-D, 17B, 19B, 21A

Advantages/Benefits

GERMAN ADLER GEAR OIL SAE 80W-90 is oxidation-resistant and provided with thermo-stable EP-additives 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

Typical characteristics:

	Unit	**Value**	**Method**
Density at 15°C	kg/m³	890	DIN 51 757
Viscosity at 40°C	mm²/s	173	DIN 51 562
Viscosity at 100°C	mm²/s	16,7	DIN 51 562
Pour point	°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

The above data are true and correct to the best of our knowledge and belief and reflect the current state of knowledge and our development effort. All rights to changes reserved! The characteristic data indicated are subject to the repeatability and reproducibility of the given test methods.