

# WHEELERS GEAR BOX - 5

## SAE 80W90, 85W90 & 85W140

### Semi Synthetic hypoid-gear oil for motor vehicles and construction machines

#### Description

**Wheelers Gear Box-5** 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

#### Application

**Wheelers Gear Box-5** 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.

#### Properties

**Wheelers Gear Box-5** gear oils are 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

#### Specification

API GL-5  
MIL-L-2105 D  
MB 235.0 / 235.6

ZF TE-ML 05A, 07A, 08, 12E, 16B-D, 17B, 19B, 21A  
MAN 342 M-2 (160.000 km drain)

#### Typical Properties

Wheelers Gear Box-5	Unit	Unit			Method
SAE - Classification		<b>80W90</b>	<b>85W90</b>	<b>85W140</b>	
Density at 15°C	kg/m <sup>3</sup>	893	898	908	DIN 51 757
Kinematic viscosity at 40°C	mm <sup>2</sup> /s	173	188	405	DIN 51 562
Kinematic viscosity at 100°C	mm <sup>2</sup> /s	16,7	18,2	27,8	DIN 51 562
Pour point	°C	-33	-24	-18	DIN ISO 3016
Flash point	°C	215	220	222	DIN ISO 2592
FZG-test A/16,6/90 damage loading step		>12	>12	>12	DIN 51 354

Specification variations in these characteristics may occur the instructions of manufacturer must be regarded. Further information's to be available by MSDS.