



swd SYNKROL 5

SAE 80W, 80W90, 85W90 & 85W140

Hypoid-gear oil for motor vehicles and construction machines

Product Description

swd SYNKROL 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

swd SYNKROL 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

swd SYNKROL 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

Qualification

- ❖ API GL-5
- ❖ MB 235.0
- ❖ ZF TE-ML 01, 05, 07
- ❖ MIL-L-2105 D
- ❖ MAN 342
- ☐ Approval MAN 242 Typ M-1 (only SAE 85W90)

Typical Properties

swd SYNKROL 5	unit	value				method
		80W	80W90	85W90	85W140	
SAE - Classification		80W	80W90	85W90	85W140	
Density at 15°C	kg/m ³	895	903	904	911	DIN 51 757
Viscosity at 40°C	mm ² /s	90	138	197	422	DIN 51 562
Viscosity at 100°C	mm ² /s	10,5	15,3	17,5	27,2	DIN 51 562
Pourpoint	°C	-30	-33	-24	-18	DIN ISO 3016
Flash point	°C	205	215	220	225	DIN ISO 2592
FZG-test A/16,6/90 damage loading step		>12	>12	>12	>12	DIN 51 354

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

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