

SRS Violin RSH plus 80W-90



High-Performance-Hypoid Gear Oil LS

March 2025

Characteristics

SRS Violin RSH plus 80W-90 is prescribed for highly loaded drive axles with hypoid meshed gears with or without self-locking differential gears. SRS Violin RSH 80W-90 contains specially adapted additives to limit slip (Limited Slip = LS) and to prevent noise development during cornering. Because of modern additives, SRS Violin RSH plus 80W-90 offers maximum wear protection, optimum friction- and best oxidation behaviour, which results in maximum oil changing intervals and high fuel savings.

Application

SRS Violin RSH plus 80W-90 satisfies all performance requirements set for hypoid gearboxes with multi-disc locking differentials. Combined gear boxes and axle drives can be lubricated as well as vehicles with transfer gear boxes, with preferred off road use in construction machinery and agricultural machinery. The latest limited Slip requirements of ZF TE-ML 05N are met with reserve. SRS Violin RSH plus 80W-90 is backwards compatible with ZF TE-ML 05C and 21C and can also be used in Liebherr machines that require ZF specifications 05C and 05N. For product rationalisation in mixed fleets, SRS Violin RSH plus 80W-90 is also suitable for use in all drive axles with the API GL 5 requirements, even with wet brakes.

Specifications

- SAE Grade 85W-90
- API GL-5 / LS
- MIL-L-2105 D

Approvals

- ZF Approval number ZF009472
ZF TE-ML 05N, 21N
- Volvo 97321 (STD 1273.21)

Recommendations

- John Deere JDM J 11 F
- ZF TE-ML 05C

SRS Violin RSH plus 80W-90 is a product of the H&R ChemPharm GmbH.

Typical Data	Test Method	SRS Violin RSH plus 80W-90
SAE Grade	SAE J 306	80W-90
Density at 15°C g/cm ³	DIN 51 757	0.880
Dyn. Viscosity at -12°C mPa s	DIN 51 398	38,600
Kin. Viscosity at 40°C mm ² /s	DIN EN ISO 3104	126
Kin. Viscosity at 100°C mm ² /s	DIN EN ISO 3104	14.4
Viscosity Index (VI)	DIN ISO 2909	114
Flash Point COC °C	DIN ISO 2592	212
Pour Point °C	DIN ISO 3016	-36

The above values may vary within the commercial limits.

Made in Germany