

# SRS Wiolan HVB



## Premium HLP Hydraulic Fluids

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### Characteristics

**SRS Wiolan HVB** hydraulic fluids are high quality hydraulic fluids based on modern baseoils and innovative additives with particularly favourable viscosity-temperature behaviour (high-VI hydraulic oils). Even with extreme temperature fluctuations and when starting up hydraulics from minus temperature ranges, SRS Wiolan HVB achieves maximum uniformity in the operating behaviour of the systems. Outstanding wear, corrosion and oxidation protection properties ensure the greatest possible functional reliability of the hydraulic systems with extended oil residence times and minimum maintenance requirements. The good filterability of SRS Wiolan HVB hydraulic oils is a prerequisite for use in many hydraulic systems, filter blockages are avoided.

### Application

**SRS Wiolan HVB** is particularly suitable for high-performance hydraulic systems that are exposed to highly fluctuating temperatures. This includes the entire range of mobile hydraulics as well as all stationary systems that operate outdoors (scrap metal presses, lock gates, loading equipment, marine hydraulics, etc.). SRS Wiolan HVB can be used in systems where the more stringent Bosch Rexroth RDE 90235 is required. The specification contains, among other things, a new practice-relevant pump and motor test, as well as a specific seal test. In this test, the hydraulic oil is subjected to high loads over several hundred hours of operation at both high temperatures and low viscosities in different cycles. Significantly reduced wear values of the hydraulic components compared to standard HVLP hydraulic fluids and longer service lives of the oil filling are achieved by using SRS Wiolan HVB hydraulic oils.

The multi-grade character of SRS Wiolan HVB enables extensive grade reductions. This largely avoids the risk of confusion for the user. SRS Wiolan HVB can be used where HVLP or HLP hydraulic oils are prescribed.

### Performance / Specifications

**SRS Wiolan HVB** hydraulic fluids are very shear stable and exceed the requirements HVLP according to DIN 51 524 part 3 and HV according to ISO 11158.

### Approvals / Recommendations

- Bosch Rexroth Fluid Rating List RDE 90245 (Rating Number BR-1010-0204)
- Bosch Rexroth RDE 90235
- Arburg<sup>1</sup>
- Hydraulic fluid HVLP acc. DIN 51524 Part 3
- Hydraulic fluid HV acc. ISO 11158
- Hydraulic fluid HV acc. SAE MS 1004
- Hydraulic fluid HV acc. ASTM D 6158
- Eaton E-FDGN-TB0002-E
- Parker Denison HF-0

<sup>1</sup> for SRS Wiolan HVB 46

SRS Wiolan HVB hydraulic fluids are products of the H&R ChemPharm GmbH.

Typical Data	Test Method	SRS Wiolan HVB		
		32	46	68
Designation	DIN 51 502	HVLP 32	HVLP 46	HVLP 68
	DIN EN ISO 6743/4	HV 32	HV 46	HV 68
Density at 15°C	g/cm <sup>3</sup> DIN 51 757	0.867	0.871	0.876
Kin. Viscosity at 40°C	mm <sup>2</sup> /s DIN EN ISO 3104	31.9	49.2	74.1
Kin. Viscosity at 100°C	mm <sup>2</sup> /s DIN EN ISO 3104	6.4	8.8	11.6
Viscosity Index (VI)	DIN ISO 2909	160	159	151
Flash Point COC	°C DIN EN ISO 2592	208	214	217
Pour Point	°C ASTM D 5950	-39	-36	-36

The above values may vary within the commercial limits.

**Made in Germany**