

SRS Wiolan HX



HLP-Hydraulic Fluids – Zinc free

September 2025

Characteristics

SRS Wiolan HX hydraulic fluids are based on highly solvent refined paraffinic neutral mineral oils from Salzbergen refinery. The EP additives used are free of zinc. SRS Wiolan HX hydraulic fluids protect excellent against wear and corrosion even at high mechanical stress and have exceptionally good demulsibility. Oxidation inhibitors give high oxidation stability, thereby reducing maintenance costs through longer oil change intervals.

Application

SRS Wiolan HX hydraulic fluids have impressively demonstrated their suitability in the hydraulic systems of rolling mills. Thanks to the good demulsibility of SRS Wiolan HX fluids, ingressed water can continuously be drawn off at suitable points within the system. SRS Wiolan HX fluids are universally applicable in all hydraulic equipment, wherever a high level of protection against wear and oxidation is required.

Easy filterability of SRS Wiolan HX hydraulic fluids is required condition for current hydraulic units, filter clogging is prevented.

Performance / Specifications

The requirements for HLP hydraulic fluids described in DIN 51 524, Part 2, ISO 11158 (HM), SEB 181 222 and DBL 6713 are met. Many of the requirements are outperformed by far. SRS Wiolan HX oils meet the steel industry's requirements for HLP hydraulic oils.

Approvals

- Hydraulic oil HLP acc. DIN 51524 Part 2
- Hydraulic oil HM acc. DIN 11158
- VDEh-Approval according to SEB 181 222
- Voith 3625-006058¹
- Voith 3625-006072¹
- Voith 3625-006073¹
- Voith 3625-008426¹
- Arburg²
- ENGEL²
- KraussMaffei²
- ZF Approval Number ZF003458 / ZF003459
ZF TE-ML 04K^{1, 2}

¹ for SRS Wiolan HX 32

² for SRS Wiolan HX 46

SRS Wiolan HX oils are products of the H&R ChemPharm GmbH.

Typical Data	Test Method	SRS Wiolan HX					
		22	32	46	68	100	
Designation	DIN 51 502	HLP 22	HLP 32	HLP 46	HLP 68	HLP 100	
	DIN EN ISO 6743/4	HM 22	HM 32	HM 46	HM 68	HM 100	
Density at 15°C	g/cm ³	DIN 51 757	0,868	0,873	0,881	0,874	0,882
Kin. Viscosity at 40°C	mm ² /s	DIN EN ISO 3104	22.1	32.4	46.4	70.7	104
Kin. Viscosity at 100°C	mm ² /s	DIN EN ISO 3014	4.3	5.3	6.6	8.8	11.2
Flash Point COC	°C	DIN ISO 2592	200	210	225	230	250
Pour Point	°C	DIN ISO 3016	-30	-27	-24	-24	-24
FZG-Test A/8,3/90	Fail stage	DIN ISO 14 635	11	12	> 12	> 12	> 12

The above values may vary within the commercial limits.

Made in Germany