

SRS Wiolan HS



HLP Hydraulic Fluids

May 2020

Characteristics

SRS Wiolan HS hydraulic fluids are based on highly solvent refined paraffinic neutral mineral oils from Salzbergen and Hamburg refinery blended with high performance additives. The additives are specially selected to optimize the performance with these base oils.

SRS Wiolan HS offers the optimum in wear and corrosion protection even under maximum mechanical loads. The oxidation inhibitors provide the greatest possible oxidation stability and enable longer oil retention periods and thus lower maintenance costs. Easy filterability of SRS Wiolan HS hydraulic fluids is required condition for current hydraulic units, filter clogging is prevented.

Application

SRS Wiolan HS hydraulic fluids can be used universally in all hydraulic systems. Verification of suitability in numerous facilities and hydraulic systems is demonstrated.

SRS Wiolan HS is recommended for thermally stressed high pressure pumps of all design, for sensitive governor systems, for the supply of small transmission units and for application in circulating systems.

Performance / Specifications

The requirements for HLP hydraulic fluids prescribed by DIN 51 524, Part 2 are met and even outperformed in many quality characteristics.

Approvals

- Hydraulic oil HLP acc. DIN 51524 Part 2
- Hydrauliköl HM acc. ISO 11158
- Hydrauliköl HM acc. ASTM D 6158
- ZF Approval Number ZF003456 / ZF003457
- ZF TE-ML 04K²
- Arburg¹
- SEB 181 222
- Cincinnati P-68, P-69, P-70
- Parker Denison HF-0, HF-1, HF-2
- Eaton E-FDGN-TB002-E, M-2950-S
- ANSI/AGMA 9005-E02-RO
- JCMAS P041 HK Hydraulic Specification
- US Steel 126, 127

¹ for SRS Wiolan HS 46

² for SRS Wiolan HS 32 and SRS Wiolan HS 46

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

Typical Data	Test Method	SRS Wiolan HS								
		5	10	22	32	46	68	100	150	
Designation	DIN 51 502	-	HLP10	HLP22	HLP32	HLP46	HLP68	HLP100	HLP150	
	DIN EN ISO 6743/4		HM 10	HM 22	HM 32	HM 46	HM 68	HM 100	HM 150	
Density at 15°C	g/cm ³	DIN 51 757	0.853	0.857	0.869	0.874	0.878	0.881	0.885	0.889
Kin. Viscosity at 40°C	mm ² /s	DIN EN ISO 3104	4.84	9.93	22.1	32.1	46.3	69.6	103	153
Kin. Viscosity at 100°C	mm ² /s	DIN EN ISO 3104	1.65	2.60	4.25	5.34	6.68	8.71	11.2	14.4
Flash Point COC	°C	DIN ISO 2592	133	172	200	224	227	245	257	266
Pour Point	°C	DIN ISO 3016	- 39	- 30	- 27	- 27	- 27	- 27	- 27	- 21
FZG-Test A/8.3/90	Fail stage	DIN ISO 14635				10	12	12	12	12

The above values may vary within the commercial limits.

Made in Germany