SRS Wiolan TH

Slide Way Oils

November 2024

Characteristics

SRS Wiolan TH slide way oils provide a low coefficient of friction associated with a constant sliding performance without stick slip even at fine feed with lowest feed motions. Highest dimensional accuracy is the effect. Good demulsibility gives highest functionality also at use of low-maintenance cooling lubricants. During long downtime the most-feared formation of sticky deposits from the reaction of cooling lubricants and slide way oils is prevented.
SRS Wiolan TH slide way oils offer high corrosion protection. Fretting corrosion is avoided even in narrow fit clearances. Yellow metals are not attacked.

Highest film strength and excellent tackiness are guaranteed - an essential prerequisite for the lubrication of vertical slide ways. Additivation is well-tuned with modern water-soluble cooling lubricants to enable best surface quality and dimensional accuracy of the work pieces even at the most difficult production conditions.

Applications

SRS Wiolan TH oils are designed mostly to lubricate slide ways of different material combinations in machine tools including plastic coatings like epoxy resins and Teflon, and for machine tool slide ways where contamination with water-soluble cooling lubricants are unavoidable.
SRS Wiolan TH oils have also given outstanding performance in the textile, paper and packaging industries.

Performance / Specifications

The requirements for CGLP lubricants are fulfilled and surpassed in essential points.
Examinations of **SRS Wiolan TH** oils, carried out by SKC Gleittechnik GmbH, Rödental, passed off with excellent results.

- DIN 51 502 CGLP
- DIN 51 517/3 CLP
- DIN 51 524/2 HLP
- ISO 6743/13 GA and GB

SRS Wiolan TH slide way oils are products of the H&R ChemPharm GmbH.

Typical Data		Test Method	SRS Wiolan					
			TH 32	TH 46	TH 68	TH 100	TH 150	TH 220
Designation		DIN 51 502	CGLP 32	CGLP 46	CGLP 68	CGLP 100	CGLP 150	CGLP 220
Density at 15°C	g/cm³	DIN 51 757	0.874	0.878	0.880	0.884	0.887	0.894
Kin. Viscosity at 40°C	mm²/s	DIN EN ISO 3104	32.1	45.8	67.1	102	147	214
Kin. Viscosity at 100°C	mm²/s	DIN EN ISO 3104	5.3	6.7	8.5	11.1	14.2	17.9
Flash Point COC	°C	DIN ISO 2592	216	238	245	264	263	270
Pour Point	°C	DIN ISO 3016	-24	-12	-27	-9	-21	-15
Copper Corrosion Test (3h/100°C)	Grade	DIN ISO 2160	1	1	1	1	1	1
Steel Corrosion	Grade	DIN ISO 7120	0 - B	0 - B	0 - B	0 - B	0 - B	0 - B
FZG A/8,3/90	SKS	DIN ISO 14 635	12	12	12	12	12	12

The above values may vary within the commercial limits.

Made in Germany

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