

# SRS Wiolgan HE 46



## Environmentally Friendly HEES-Hydraulic Fluid

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### Characteristics

**SRS Wiolgan HE 46** is a fully synthetic, rapidly biodegradable hydraulic fluid on TMP ester with additives for maximum performance. The outstanding high temperature stability, together with very good low temperature fluidity, prevents deposits and sticky residuals caused by oxidation products.

### Application

**SRS Wiolgan HE 46** contains highly effective additives to protect against the corrosion and wear of all materials present in hydraulic systems. It is especially recommended for use in all hydraulic systems of the construction, agriculture and forestry equipment, for example, excavators, bulldozers, wheel loaders, forestry machinery, lock hydraulics, etc. as well as wherever the risk of leakage into the environment can not be excluded.

SRS Wiolgan HE 46 is essentially compatible with varnishes, paints, gaskets and seals.

When converting from mineral oil-based hydraulic fluids to rapidly biodegradable hydraulic fluids, the conversion guidelines according to DIN ISO 15380 and to VDMA 24 569 must be observed.

### Performance / Specifications

**SRS Wiolgan HE 46** exceeds the requirements of type HEES hydraulic oils described in VDMA 24 568.

According to OECD 301 F, SRS Wiolgan HE 46 has a biodegradability of greater than 60 %.

SRS Wiolgan HE 46 is a product of H&R ChemPharm GmbH.

Typical Data	Test Methods	SRS Wiolgan HE 46
Designation	DIN EN ISO 6743/4	HEES 46
Color	DIN ISO 2049	L 1.0
Density at 15°C	g/cm <sup>3</sup> DIN 51 757	0.921
Kin. Viscosity at 40°C	mm <sup>2</sup> /s DIN EN ISO 3104	47
Kin. Viscosity at 100°C	mm <sup>2</sup> /s DIN EN ISO 3104	9.4
Viscosity Index (VI)	DIN ISO 2909	188
Flash Point COC	°C DIN ISO 2592	287
Pour Point	°C DIN ISO 3016	-51
LAV at 50°C	min DIN ISO 9120	1.4

The above values may vary within the commercial limits.

**Made in Germany**