

**Motorenöle**

*Motor oils*

**Getriebeöle**

*Gear oils*

**Zweitaktöle und  
Traktorenöle**

*Two-stroke oils and  
tractor oils*

**Hydrauliköle**

*Hydraulic oils*

**Industrie- und  
Spezialschmierstoffe**

*Industrial and  
specialty lubricants*

## PENNASOL SPEZIAL HAFTÖL

PENNASOL SPEZIAL HAFTÖL is based on paraffinic base oil and modern additive technology. It is a lubricating oil, which is very ropy and adhesive and provides stable, pressure-resistant lubricant films. It possesses a very pronounced adhesive capacity so that the oil film is maintained on vertical surfaces. Therefore vertical guides and slide ways can be lubricated because the lubricating film will not tear. It is suitable for slide and guide ways on all types of machinery and prevents stick slip motion even at very low speeds. Effective zinc and ash free components guarantee optimal lubrication and long term protection against oxidation.

### Specification:

### Recommendations:

Very good stick-slip characteristics	High tackiness
Good demulsification	Less oil usage
Longer maintenance interval	Better lubricity

Parameter	Unit	Testing method	PENNASOL SPEZIAL HAFTÖL		
			ISO VG 220	ISO VG 320	ISO VG 460
Density 15°C	kg/m <sup>3</sup>	DIN EN ISO 12185	889	894	895
Flash point COC	°C	DIN ISO 2592	240	240	240
Pour point	°C	DIN ISO 3016	-12	-12	-9
Viscosity 40°C	mm <sup>2</sup> /s	DIN 51562-1	209,1	309,5	455,4
Viscosity 100°C	mm <sup>2</sup> /s	DIN 51562-1	19,5	25,1	31,2
VI		DIN ISO 2909	101	100	96

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1

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