

**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 HYDRAULIC OIL HLPD S/P-L B30

PENNASOL HYDRAULIC OIL HLPD S/P-L B30 is based on paraffinic base oil and modern additive technology. Effective zinc and ash free components guarantee optimal lubrication and long term protection against oxidation. During the process fine filtration is possible without the risk of losing valuable ingredients.

Dispersant and detergent additives provide optimal dirt-removing properties and the product is especially suitable for centrally supplied machines.

### Specification:

- DIN 51524 part 2 (without demulsification requirements)
- FZG-Test A8,3/90 load stage: >12
- Bruggen-value (DIN 51347): >30N/mm<sup>2</sup>

Parameter	Unit	Testing method	PENNASOL HYDRAULIC OIL HLPD S/P-L B30		
			ISO VG 22	ISO VG 32	ISO VG 46
Density 15°C	kg/m <sup>3</sup>	DIN EN ISO 12185	855	858	864
Flash point COC	°C	DIN ISO 2592	210	220	230
Pour point	°C	DIN ISO 3016	-30	-33	-30
Viscosity 40°C	mm <sup>2</sup> /s	DIN 51562-1	22,1	31,5	43,6
Viscosity 100°C	mm <sup>2</sup> /s	DIN 51562-1	4,4	5,7	7,1
VI		DIN ISO 2909	109	114	115

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