

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

PENNASOL HYDRAULIC OIL HLPD is based on paraffinic base oil and modern additive technology. Effective zinc containing components guarantee optimal lubrication and long term protection against oxidation. During the process fine filtration is possible without the risk of losing valuable ingredients. Because of the high viscosity index the lubricating effect of the oil remains unaffected even at very high temperatures.

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

| | | | PENNASOL HYDRAULIC OIL HLPD | | |
|-----------------|--------------------|------------------|--------------------------------|-----------|-----------|
| Parameter | Unit | Testing method | ISO VG 22 | ISO VG 32 | ISO VG 46 |
| Density 15°C | kg/m ³ | DIN EN ISO 12185 | 855 | 859 | 866 |
| Flash point COC | °C | DIN ISO 2592 | 200 | 220 | 230 |
| Pour point | °C | DIN ISO 3016 | -30 | -27 | -27 |
| Viscosity 40°C | mm ² /s | DIN 51562-1 | 22,4 | 31,5 | 44,8 |
| Viscosity 100°C | mm ² /s | DIN 51562-1 | 4,5 | 5,6 | 6,8 |
| VI | | DIN ISO 2909 | 111 | 114 | 113 |

12/2017

Version 5

1

¹ This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet. It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Material Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility is taken by either AVISTA OIL Group or its subsidiaries for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale.