

Approved hydraulic fluids for Putzmeister concrete pumps

Mineral hydraulic fluids

- As a general rule, **only mineral hydraulic fluids of type HLP** may be used for concrete pumps and industrial technologies. These hydraulic fluids must also meet the minimum requirements of **DIN 51524-2**.
- **The use of H, HL, HLPD or HVLPD fluids as well as zinc-free hydraulic oils is prohibited.**
- As standard the viscosity grade ISO VG 46 has to be used (range from -10 °C to 90 °C).
- Only fluids that meet the minimum requirements of **DIN 51524-2 and these Putzmeister specifications for the viscosity grade ISO VG 46 and are confirmed in writing by the manufacturer** may be used.

Confirmed mineral hydraulic fluids:

ISO VG 46 (Range of application -10 °C to 90 °C):

As a standard use viscosity grade ISO VG 46.

- ADDINOL Hydraulic Oil HLP 46
- ARAL Vitam GX 46
- AVILUB HLP 46
- AVILUB Hydraulic PM 46
- Benz Oil PTL 46
- BP Energol HLP-HM 46
- Castrol Hyspin AWS 46
- EuroLub HLP 46
- Fuchs Renolin B 46 CP
- Liqui-Moly HLP 46 SG-Z
- Mobil DTE 25
- Petro-Canada HYDREX AW 46
- SRS Wiolan HS 46
- Total Azolla ZS 46

ISO VG 32 (Range of application -15 °C to 80 °C):

Due to lower viscosity, the maximum temperature limit of the machine must be adjusted to 80 °C (90 °C standard).

- ADDINOL Hydraulic Oil HLP 32
- Agip PRECIS HLP 32
- Benz Oil PTL 32
- BP Energol HLP-HM 32
- Castrol Hyspin AWS 32
- Mobil DTE 24
- Total Azolla ZS 32

ISO VG 68 (Range of application 0 °C to 95 °C):

Due to higher viscosity, the maximum temperature limit of the machine may be adjusted to 95 °C (90 °C standard).

- ADDINOL Hydraulic Oil HLP 68
- Agip Precis HLP 68
- ARAL Vitam GX 68
- AVILUB HLP 68
- Benz Oil PTL 68
- BP Energol HLP-HM 68
- Castrol Hyspin AWS 68
- EuroLub HLP 68
- MAK HYDROL HLP 68
- Mobil DTE 26
- SRS Wiolan HS 68
- Total Azolla ZS 68

Bio-degradable hydraulic fluids

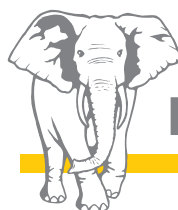
- As a general rule, **only bio-degradable hydraulic fluids of category 4 (HEES – synthetic ester) of DIN ISO 15380 and viscosity grade ISO VG 46** may be used for concrete pumps and industrial technologies. These hydraulic fluids must also meet the minimum requirements of this standard.
- Only fluids that meet the minimum requirements of **DIN ISO 15380 and these Putzmeister specifications for the viscosity grade ISO VG 46 and are confirmed in writing by the manufacturer** may be used.

Confirmed bio-degradable hydraulic fluids:

- Bechem Hydrostar HEES 46

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