# ALPHEX HM (HLP 100)

**HLP Hydraulic Oil according DIN 51524, Part 2**

**Description:**

**ALPHEX HM (HLP 100)** is optimum alloyed and is having a high performance level as well as a broad field of application within the whole industry. It especially distinguish with good viscosity-temperature behaviour, high ageing stability and reliable corrosion protection. Effective additives provides an excellent wear protection under extreme loads. too (FZG-Test A/8,3/90 12th damage loading step). The behaviour against sealing materials is neutral).

## Characteristics

- High pressure susceptibility
- High air and water separating property
- High ageing stability
- Neutral towards sealing materials
- Very good viscosity temperature behaviour
- Excellent wear protection
- Reliable corrosion protection

## Effects

- High operation safety of hydraulic equipment
- Favourable operating properties
- High performance level

## Usable for

| | |
|---|---|
| DIN 51524/2 | ISO VG 100 / HLP 100 |
| ISO 11158 | HM |
| MIL | H 24 459 |
| AFNOR | NF E 48-603 (HM) |
| ASTM | D6158 |
| SAE | MS 1004 |
| We recommend this product for: | |
| AIST | 127, 136 |
| ASLE | 70-1/70-2/70-3 |
| BOSCH | Rexroth |
| CETOP | RP 91 H (HM) |
| CINCINNATI MILACRON | P-68, 69, 70 |
| DAVID BROWN | ET 19, ET 33 |
| DENISON | HF-0, HF-2 |
| EATON VICKERS | M 2950-S / I-286-S3 |
| FZG-Test | A8,3/90 12th damage loading step |
| GM | LS 2 |
| HOESCH | HWN 2333 |
| JCMAS | P041 HK |
| SIS | SS 155434 |
| US STEEL | 126/127 |
| VDMA | 24318 |

## Utilization

- Hydraulic equipment according DIN 51524
- for exampel: mobil hydraulics, pressing and forging plants, splash-pour-machines, a.o.

**Disposal:**

- **ALPHEX HM (HLP 100)** is assigned to category 2 of used oils and thus is free for disposal.

**Miscibility:**

- **ALPHEX HM (HLP 100)** of HLP range is well-tolerated with comparable lubrications and can be mixed. However, it is recommended to take only **ALPHEX HM (HLP 100)** of HLP range when refilling.



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**ALPHEX HM (HLP 100)**

| **Article No.** | **Packaging unit** | |
|---|---|---|
| STL 1030 225 | Can | 20 L |
| STL 1030 226 | Drum | 60 L |
| STL 1030 228 | Drum | 200 L |
| STL 1430 229 | PE-Container | 1000 L |

Typical characteristics:

| | | |
|---|---|---|
| Viscosity at 15°C | kg/m³ | 878 |
| Viscosity at 40°C | mm²/s | 98,9 |
| Viscosity at 100°C | mm²/s | 11,7 |
| Viscosity index | | 105 |
| Flash point COC | °C | 240 |
| Pourpoint | °C | -24 |
| TAN | mgKOH/g | - |



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