

ALPHEX HEES

Synthetic-Esterbasis Bio-Hydraulic Oil - HEES 46

Description:

ALPHEX HEES is a fully synthetic, quickly biodegradable hydraulic- and circulation oil based on synthetic ester, type HEES. Because it is quick biodegradable it does not pollute the soil or the water.

ALPHEX HEES is because of its high environmental digestibility especially recommended for application at engines at the building trade, the agriculture and the forestry.

The demands for hydraulic oil according to minimum demand corresponding to DIN 51525 parts 2 and 3 are completely fulfilled or do even surpass it.

Before using in hydraulic aggregates, the recommendations of the machine manufacturer must be considered or the adjustment guidelines in accordance with VDMA standard sheet 24 569 must be followed.

Characteristics

- Extremely high pressure susceptibility
- Not water-endangering
- Non-toxic, physiological safety
- Free of heavy metal
- Very good cold flow behaviour
- Ageing and oxidation stability
- Excellent viscosity-temperature behaviour
- High wear protection
- Shear stability at extreme conditions
- Excellent wear and corrosion protection
- Neutral towards sealing materials

Usable for

| | |
|------------------|-----------------------------|
| HLP/HVLP | DIN 51524 Part 1, 2 & 3 |
| EATON BROCHURE | 03-401-2010 |
| ISO | 15380 HEES 46 |
| JCMAS | P042 HKB |
| PARKER DENISON | HF-1, HF-2, HF-6 |
| SWEDISH STANDARD | SS 15 54 34 Category V |
| USDA | Biopreferred® |
| VDMA | 24568, 24570 |
| US | Vessel General Permit (VGP) |

Disposal:

- **ALPHEX HEES** is assigned to the disposal scheme 13 01 12.
- **ALPHEX HEES** is assigned to category 1 of used oils and thus is free for disposal.

Miscibility:

- **ALPHEX HEES** is digestible with all materials usually to be found in a hydraulic system. However, it is recommended to take only **ALPHEX HEES** when refilling.

ALPHEX HEES

| Article No. | Packaging unit | |
|--------------|----------------|-------|
| STL 1040 105 | Can | 20 L |
| STL 1040 106 | Drum | 60 L |
| STL 1040 108 | Drum | 200 L |

Effects

- High operating liability of the technical system
- Reduction of kinds
- Highest standard performance
- Quickly biodegradable
- Demulsifying (water separating)
- Engine oil for all seasons
- Multigrade character

Utilization

- Universal in all hydraulic- and circulation systems, especially where the hydraulic oil gets in contact with the environment, e.g. hydraulic system at building trade, agriculture and forestry such as excavators, bulldozers, forestry engines, lock hydraulic, Sewage treatment plants, dredgers etc.

Typical characteristics:

| | | |
|-----------------------------|-------|------------|
| Specific weight at 15°C | kg/m³ | 920 |
| Viscosity at 0°C | mm²/s | 370 |
| Viscosity at 40°C | mm²/s | 46 |
| Viscosity at 100°C | mm²/s | 9,5 |
| Viscosity index | | 183 |
| Flash point COC | °C | 2865 |
| Pourpoint | °C | -39 |
| Operating temperature range | °C | -20 to +90 |
| Biodegradability | % | >90 |

Data are subject to change.

Attention: Service instructions should be observed!

STL/HY/-
04/2021