

Description

Top quality oils for hydraulic circuits. Manufactured from paraffinic bases using ashless technology. They include special additives for hydraulic systems with extremely fine tolerance servo-valves where an excellent filterability in the hydraulic fluid is required.

Properties

- High resistance to ageing and sludge formation
- High viscosity index
- Excellent EP properties
- Very easy water separation
- High capacity to eliminate air
- Excellent filterability
- Excellent anti-foam properties
- Good anti-rust and anti-corrosion capacity
- Compatible with joints and elastomers

Quality levels

In accordance with the product's viscosity grade, it complies with the following quality standards:

- DIN 51524 Part 2 HLP
- ISO 6743/4 HM
- ISO 11158
- MAG IAS P-68, P-69 and P-70
- AFNOR NFE 48603 – HM
- PARKER DENISON HF-0, HF-1, HF-2

A safety data sheet is available on request.

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Technical data sheet for Lubricants. Revision 8. October 2013

Technical specifications

| | UNIT | METHOD | VALUE | | |
|-----------------------------------|----------|-------------|-----------|-----------|-----------|
| ISO Viscosity Grade | | | 32 | 46 | 68 |
| Viscosity at 40 °C | cSt | ASTM D 445 | 29.5 | 46 | 68 |
| Viscosity at 100 °C | cSt | ASTM D 445 | 5.1 | 6.6 | 8.7 |
| Viscosity index | | ASTM D 2270 | 100 | 98 | 98 |
| Flash point V/A | °C | ASTM D 92 | 200 | 220 | 240 |
| Pour point | °C | ASTM D 97 | -15 | -27 | -24 |
| De-emulsification at 54 °C | min | ASTM D 1401 | 20 | 20 | 20 |
| Copper corrosion | -- | ASTM D 130 | 1 | 1 | 1 |
| Rust, Method A | -- | ASTM D 665 | Pass | Pass | Pass |
| TAN | mg KOH/g | ASTM D 974 | 0.4 | 0.4 | 0.4 |
| Aeromulsion at 50 °C | min | ASTM D 3427 | 2 | 3 | 6 |
| Oxidation, TAN at 2000 h | mg KOH/g | ASTM D 943 | <2 | <2 | <2 |
| FZG, damage step | -- | DIN 51583 | 11 | 11 | 11 |
| Four-ball engine, scar diameter | mm | ASTM D 4172 | 0.35 | 0.30 | 0.30 |
| Four-ball engine, wear load index | -- | ASTM D 2783 | 28 | 34 | 35 |

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