



MAKER HYDRAULIC SC

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, approvals and recommendations

- ARBURG* (ISO 46)
 - AFNOR: NFE 48603-HM (ISO 46)
 - Fives Cincinnati: P-70 (ISO 46)
 - KRAUSS-MAFFEI: Hydraulic Oil (ISO 46)
 - SIEMENS: zinc free hydraulic oils HLP 46 (ISO 46)
 - MANULI* (ISO 46)
 - DIN: 51524-HLP (ISO 46)
 - ISO: 6743/4 HM, 11158 HM (ISO 46)
 - PARKER DENISON: HF0, HF1, HF2 (ISO 46)
- *Formal approval

Technical specifications

| | UNIT | METHOD | VALUE |
|-----------------------------|----------|------------|-------|
| ISO Viscosity Grade | | | 46 |
| Viscosity at 40 °C | cSt | ASTM D445 | 46 |
| Viscosity at 100 °C | cSt | ASTM D445 | 7.1 |
| Viscosity index | - | ASTM D2270 | 106 |
| Flash point, open cup | °C | ASTM D92 | 230 |
| Pour point | °C | ASTM D97 | -30 |
| Water separability at 54 °C | min | ASTM D1401 | 30 |
| Corrosion Cu, 3hrs 100 °C | - | ASTM D130 | 1b |
| Rust resistance, method A | - | ASTM D665 | Pass |
| TAN | mg KOH/g | ASTM D974 | 0.75 |
| Air release at 50 °C | min | ASTM D3427 | 6 |
| Oxidation (TAN = 2) | h | ASTM D943 | >1000 |
| FZG, damage stage | - | DIN 51583 | 12 |

The above mentioned characteristics are typical values and should not be considered product specifications.