

Q8 Halley 46

Zinc-free hydraulic oil for an extensive use in severe circumstances

Description

Q8 Halley 46 is zinc-free and ideal for a broad range of temperatures and perfect for severe circumstances. The high oxidation stability results in a long service life of the oil. Q8 Halley 46, suitable for servo hydraulic applications, has an advanced filterability and demulsibility, which limits the deposit in hydraulic valves to a minimum.

Applications

Q8 Halley 46 is suitable for severe circumstances and applications in a broad range of temperatures such as robotic hydraulics, assembly lines, bulldozers, industrial applications (e.g. injection moulding machines, presses, ...) and harbour applications like locks.

Benefits

- Decreased downtime thanks to increased maintenance efficiency
- Extends service life time thus minimal costs and maximal efficiency
- Does not contain zinc
- Exceptionally high viscosity index
- Outstanding filtration characteristics
- Excellent reduction of oil oxidation
- Exceptionally suitable for use in all seasons
- Extreme capability to separate entrained water from oil

Specifications & Approvals

Bosch Rexroth
DIN

RE 90220 notes
51524-3 HVLP

Eaton Brochure
ISO

03-401-2010
11158 HV

Properties

| | Method | Unit | Typical |
|------------------------------------|-----------|--------------------|------------------|
| ISO Viscosity Grade | - | - | 46 |
| Density, 15 °C | D 4052 | g/ml | 0,876 |
| Colour | D 1500 | - | L 0.5 |
| Kinematic Viscosity, 40 °C | D 445 | mm ² /s | 46.35 |
| Kinematic Viscosity, 100 °C | D 445 | mm ² /s | 9.20 |
| Viscosity Index | D 2270 | - | 186 |
| Pour Point | D 97 | °C | -45 |
| Total Acid Number | D 974 | mg KOH/g | 0.11 |
| Flash Point, COC | D 92 | °C | 188 |
| Total Acid Number | D 664 | mg KOH/g | 0.15 after 1000h |
| Emulsion, Distilled Water, 54.4 °C | D 1401 | - | 40-40-0 (5 min) |
| Foam, 5 min blowing, seq. 1-2-3 | D 892 | ml | 0/40/0 |
| Foam, 10 min settling, seq. 1-2-3 | D 892 | ml | 0/0/0 |
| Rust Test, Proc. A and B, 24 h | D 665 | - | pass |
| Copper Strip, 3 h, 100 °C | D 130 | - | 1a |
| FZG Test, A/8.3/90 | DIN 51354 | load stage | 12 |

The figures above are not a specification. They are typical figures obtained within production tolerances.

Sustainability

*The product Carbon Footprint (PCF), cradle-to-gate (Q8Oils state of the art facility in Belgium), of Q8 Halley 46 is **1.37** kg CO₂eq / kg.*

Please contact Q8Oils to learn more about the positive environmental impact, the handprint, of this product.

For more info check here



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