

Q8 Hartmann 46

Zinc-based hydraulic oil with outstanding stick-slip performance

Description

Q8 Hartmann 46 is a zinc-based oil that has been developed to achieve an outstanding stick-slip performance. The oil guarantees limited friction and a smooth hydraulic operation. Q8 Hartmann 46 oil has an excellent oxidation stability which leads to a longer service life of the lubricant. It is fit for use in severe working conditions.

Applications

Q8 Hartmann 46 is applied in industrial equipment in rough conditions where limited friction is needed such as big hydraulic cylinders or actuators.

Benefits

- Improves the durability of the equipment thanks to its characteristics
- Prevents sticking
- Smooth operational properties
- Outstanding reduction of air entrainment
- Highly appropriate for applications under heavy conditions

Specifications & Approvals

| | | | |
|-----------------------|----------------|-------------------------|--------------|
| Bosch Rexroth | RE 90220 notes | ISO | 11158 HM |
| DIN | 51524-2 HLP | Swedish Standard | SS 155434 AM |
| Eaton Brochure | 03-401-2010 | | |

Properties

| | Method | Unit | Typical |
|------------------------------------|-----------|--------------------|-----------------|
| ISO Viscosity Grade | - | - | 46 |
| Density, 15 °C | D 4052 | g/ml | 0,877 |
| Colour | D 1500 | - | 1.0 |
| Kinematic Viscosity, 40 °C | D 445 | mm ² /s | 47 |
| Kinematic Viscosity, 100 °C | D 445 | mm ² /s | 6.94 |
| Viscosity Index | D 2270 | - | 103 |
| Total Acid Number | D 974 | mg KOH/g | 0.6 |
| Pour Point | D 97 | °C | -36 |
| Flash Point, COC | D 92 | °C | 223 |
| Air Release, 50 °C | D 3427 | min | 3 |
| Emulsion, Distilled Water, 54.4 °C | D 1401 | - | 40-40-0 (15min) |
| Foam, 5 min blowing, seq. 1-2-3 | D 892 | ml | 0/10/10 |
| Foam, 10 min settling, seq. 1-2-3 | D 892 | ml | 0/0/0 |
| Oxidation Characteristics (TOST) | D 943 | hrs | |
| Total Acid Number | D 664 | mg KOH/g | 0.2 after 1000h |
| Rust Test, Proc. A and B, 24 h | D 665 | - | pass |
| Copper Strip, 3 h, 100 °C | D 130 | - | 1b |
| 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 Hartmann 46 is **1.24** kg CO₂eq / kg.

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

For more info check here



**We
take
care**