

## Q8 Hogarth Xtreme 46

Energy efficient hydraulic fluid for extreme operational reliability

### Description

Q8 Hogarth Xtreme 46 is a premium synthetic hydraulic fluid engineered to deliver maximum performance, efficiency, and reliability in the most demanding hydraulic systems. Its official Bosch Rexroth approval, achieved through the rigorous RFT-APU-CL severe hydraulic pump test, independently validates its outstanding protection against wear and performance degradation under extreme operating conditions.

Formulated with advanced synthetic base fluids and a unique additive technology, Q8 Hogarth Xtreme 46 provides exceptional oxidation and thermal stability, minimizing deposits and extending oil life, even in high-pressure hydraulic applications. It safeguards critical components such as servo and proportional valves, ensuring precise system operation and reducing the risk of costly failures. The fluid's excellent hydraulic responsiveness, superior cold-start performance, and reduced internal leakage contribute to improved energy efficiency, helping lower power consumption or increase machine productivity. Outstanding shear stability ensures long-term viscosity retention and reliable performance throughout the service life of the lubricant.

Thanks to its advanced formulation, Q8 Hogarth Xtreme 46 can deliver up to three times the oil life of conventional Q8oils hydraulic fluids, reducing maintenance requirements, extending oil drain intervals, and lowering total operating costs while maximizing equipment uptime.

### Applications

Q8 Hogarth Xtreme 46 is perfect for usage in all temperatures and under tough circumstances such as off-highway equipment (bulldozers, scrapers, construction equipment...) and industrial hydraulic systems (paper mills, injection molding machines, steel industry).

### Benefits

- Advanced and improved efficiency for all applications
- No loss of quality over time
- Excellently high viscosity index
- Exceptional stay-in-grade endurance
- Excellent flow properties
- Ready to use thanks to its cold start capability
- Superior oxidation stability
- Superior reduction of varnishing

### Specifications & Approvals

|                      |                |                         |                  |
|----------------------|----------------|-------------------------|------------------|
| <b>Bosch Rexroth</b> | RDE-90235      | <b>Denison</b>          | HF-0, HF-1, HF-2 |
| <b>Bosch Rexroth</b> | RDE-90245      | <b>ISO</b>              | 11158 HV         |
| <b>Bosch Rexroth</b> | RE 90220 notes | <b>MAG IAS</b>          | P-68, P-69, P-70 |
| <b>Bosch Rexroth</b> | RFT-APU-CL     | <b>Swedish Standard</b> | SS 155434 AV     |
| <b>DIN</b>           | 51524-3 HVLP   |                         |                  |

## Properties

|                                    | Method    | Unit               | Typical         |
|------------------------------------|-----------|--------------------|-----------------|
| ISO Viscosity Grade                | -         | -                  | 46              |
| Density, 15 °C                     | D 4052    | g/ml               | 853             |
| Kin. Viscosity Base Oil at 40 °C   | D 445     | mm <sup>2</sup> /s | 46.11           |
| Kin. Viscosity Base Oil at 100 °C  | D 445     | mm <sup>2</sup> /s | 8.87            |
| Viscosity Index                    | D 2270    | -                  | 176             |
| Pour Point                         | D 97      | °C                 | -33             |
| Air Release, 50 °C                 | D 3427    | min                | 2.4             |
| Flash Point, COC                   | D 92      | °C                 | >200            |
| Emulsion, Distilled Water, 54.4 °C | D 1401    | -                  | 40/40/0 (20min) |
| Foam, 5 min blowing, seq. 1-2-3    | D 892     | ml                 | 50/20/50        |
| Foam, 10 min settling, seq. 1-2-3  | D 892     | ml                 | 0/0/0           |
| Oxidation Characteristics (TOST)   | D 943     | hrs                | 5600            |
| Copper Strip, 3 h, 100 °C          | D 130     | -                  | 1B              |
| FZG Test, A/8.3/90                 | DIN 51354 | load stage         | 11              |

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

## Remarks

The energy efficiency is only valid when compared to Q8 standard hydraulic lubricants. The used technology has been tested under controlled circumstances. Improvements of the energy efficiency may vary based on applications and operating conditions.