

## Q8 Henry 46

Group II based hydraulic oil approved by Bosch Rexroth

### Description

Q8 Henry 46 is a superior group II based oil with exceptional oil drain intervals and extremely high thermal and oxidation stability. The zinc-based anti-wear hydraulic fluid is developed to meet the requirements of the most rigorous hydraulic specifications and is approved by Bosch Rexroth. Q8 Henry 46 has an exceptional performance under high loads, pressures and temperatures.

### Applications

Q8 Henry 46 is used in a wide range of industrial hydraulic applications. It is also applied in systems operating in severe conditions (high pressure, extreme temperatures) that require high performance hydraulic oils such as servo hydraulics. Q8 Henry 46 is recommended in mobile and off-road hydraulic equipment.

### Benefits

- Increased equipment lifetime thus less downtime of machinery
- Extensive oil drain interval for a longer lubricant lifetime
- Extremely applicable in difficult and severe conditions
- Zinc included technology
- Long term stable fluid viscosity through excellent shear stability
- Superior oxidation stability
- Exceptional thermal durability
- Exceptional filterability

### Specifications & Approvals

|                      |                |                       |                  |
|----------------------|----------------|-----------------------|------------------|
| <b>Bosch Rexroth</b> | RDE-90235      | <b>Denison</b>        | HF-0, HF-1, HF-2 |
| <b>Bosch Rexroth</b> | RDE-90245      | <b>Eaton Brochure</b> | 03-401-2010      |
| <b>Bosch Rexroth</b> | RE 90220 notes | <b>ISO</b>            | 11158 HM         |
| <b>DIN</b>           | 51524-2 HLP    | <b>MAG IAS</b>        | P-68, P-69, P-70 |

### Properties

|                                      | Method    | Unit               | Typical          |
|--------------------------------------|-----------|--------------------|------------------|
| Viscosity Grade                      | -         | -                  | 46               |
| Density, 15 °C                       | D 4052    | g/ml               | 0.863            |
| Kin. Viscosity Base Oil at 40 °C     | D 445     | mm <sup>2</sup> /s | 44.7             |
| Kin. Viscosity Base Oil at 100 °C    | D 445     | mm <sup>2</sup> /s | 6.9              |
| Viscosity Index                      | D 2270    | -                  | 110              |
| Flash Point, COC                     | D 92      | °C                 | 246              |
| Pour Point                           | D 97      | °C                 | -36              |
| Copper Strip, 3 h, 100 °C            | D 130     | -                  | 1A               |
| Rust Test, Proc. A and B, 24 h       | D 665     | -                  | pass             |
| Total Acid Number                    | D 974     | mg KOH/g           | 0.4              |
| Emulsion, Distilled Water, 54.4 °C   | D 1401    | -                  | 40-40-0 (10 min) |
| Air Release, 50 °C                   | D 3427    | min                | 1.9              |
| Foam, 5 min blowing, seq. 1-2-3      | D 892     | ml                 | 10/10/10         |
| Foam, 10 min settling, seq. 1-2-3    | D 892     | ml                 | 0/0/0            |
| Oxidation stability, Time to 2.0 TAN | D 943     | hrs                | 5220             |
| FZG Test, A/8.3/90                   | DIN 51354 | load stage         | >10              |

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 Henry 46 is **1.21** kg CO<sub>2</sub>eq / kg.

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

To ensure accuracy and reliability, the PCF calculation tool has been verified by an independent third party. The verification report is available in the disclaimer.

For more info check [here](#)



**we  
take  
care**

PRODUCT CARBON FOOTPRINT  
METHOD VALIDATED BY:

PCF CALCULATION IN LINE WITH:  
ISO 14067 | ATIEL-UEIL PCF

