

## 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 <sup>2</sup> /s	46.35
Kinematic Viscosity, 100 °C	D 445	mm <sup>2</sup> /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 CO<sub>2</sub>eq / 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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