

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.

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

