PRODUCT DATA SHEET

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 hydraulica, 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	RE 90220 notes	**Eaton Brochure**	03-401-2010
DIN	51524-3 HVLP	**ISO**	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*	*mm²/s*	*46.35*
Kinematic Viscosity, 100 °C	*D 445*	*mm²/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_2eq / 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