

## Q8 Hogarth 46

Energy efficient hydraulic oil for extreme operational reliability

### Description

Q8 Hogarth 46 guarantees a higher operational reliability and a long term stable fluid viscosity thanks to its great shear stability. The unique combination of a higher hydraulic response, the cold start ability and the reduction of internal leakages, makes this oil energy efficient in all situations. Its superior oxidation stability leads to an extended oil replenishment interval.

### Applications

Q8 Hogarth 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
- Smooth operational properties
- Superior oxidation stability
- Superior reduction of varnishing

### Specifications & Approvals

<b>Bosch Rexroth</b>	RE 90220 notes	<b>ISO</b>	11158 HV
<b>DIN</b>	51524-3 HVL P	<b>MAG IAS</b>	P-68, P-69, P-70
<b>Denison</b>	HF-0, HF-1, HF-2	<b>Swedish Standard</b>	SS 155434 AV
<b>Eaton Brochure</b>	03-401-2010		

### Properties

	Method	Unit	Typical
ISO Viscosity Grade	-	-	46
Density, 15 °C	D 4052	g/ml	0,857
Colour	D 1500	-	L 0.5
Kinematic Viscosity, 40 °C	D 445	mm <sup>2</sup> /s	46.6
Kinematic Viscosity, 100 °C	D 445	mm <sup>2</sup> /s	8.75
Viscosity Index	D 2270	-	170
Pour Point	D 97	°C	-33
Flash Point, COC	D 92	°C	200
Emulsion, Distilled Water, 54.4 °C	D 1401	-	40-40-0(15)
Foam, 5 min blowing, seq. 1-2-3	D 892	ml	10/25/10
Foam, 10 min settling, seq. 1-2-3	D 892	ml	0/0/0
Total Acid Number	D 664	mg KOH/g	0.5
Oxidation stability, Time to 2.0 TAN	D 943	hrs	>4000
Rust Test, Proc. A and B, 24 h	D 665	-	pass
Air Release, 50 °C	D 3427	min	2.5
Oxidation Characteristics (TOST)	D 943	hrs	5500
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.

## **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.*