

## Q8 Handel 46

Zinc-based hydraulic oil with very high viscosity index

### Description

Q8 Handel 46 is an excellent zinc-based hydraulic oil that is suitable for a wide range of temperatures and applications. Thanks to its very high viscosity index of >180, the zinc-based oil has exceptional flow properties. The high oxidation stability assures an extended drain interval and lubricant life. Q8 Handel 46 is used in demanding applications that require very high viscosity index oils.

### Applications

Q8 Handel 46 is used in all season applications, off-highway equipment. It is also applied in industries and applications requiring high viscosity index oils, such as in paper, steel, cement, mining industry

### Benefits

- Lower downtime and an improved maintenance efficiency
- Extends service life time thus minimal costs and maximal efficiency
- Zinc included technology
- Exceptionally high viscosity index
- Optimum air release
- Outstandingly resistant to oil deterioration
- Exceptionally suitable for use in all seasons
- Optimum separation of water

### Specifications & Approvals

<b>Bosch Rexroth</b>	RE 90220 notes	<b>ISO</b>	11158 HV
<b>DIN</b>	51524-3 HVLP	<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	0,876
Colour	D 1500	-	L 1.0
Kinematic Viscosity, 40 °C	D 445	mm <sup>2</sup> /s	47.50
Kinematic Viscosity, 100 °C	D 445	mm <sup>2</sup> /s	9.38
Viscosity Index	D 2270	-	> 180
Pour Point	D 97	°C	-45
Total Acid Number	D 974	mg KOH/g	0.57
Total Acid Number	D 664	mg KOH/g	0.1 after 1000h
Flash Point, COC	D 92	°C	190
Emulsion, Distilled Water, 54.4 °C	D 1401	-	40-40-0(25 min)
Foam, 5 min blowing, seq. 1-2-3	D 892	ml	0/40/50
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.