

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
- 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

Bosch Rexroth	RE 90220 notes	ISO	11158 HV
DIN	51524-3 HVLP	Swedish Standard	SS 155434 AV
Eaton Brochure	03-401-2010		

Properties

	Method	Unit	Typical
ISO Viscosity Grade	-	-	46
Density, 15 °C	D 4052	g/ml	0,876
Density, 20 °C	D 4052	g/ml	0,870
Colour	D 1500	-	L 1.0
Kinematic Viscosity, 40 °C	D 445	mm ² /s	46
Kinematic Viscosity, 100 °C	D 445	mm ² /s	9
Viscosity Index	D 2270	-	180
Pour Point	D 97	°C	-42
Flash Point, COC	D 92	°C	200
Emulsion, Distilled Water, 54.4 °C	D 1401	-	40-40-0(25 min)
Foam, 5 min blowing, seq. 1-2-3	D 892	ml	10/40/10
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 Handel 46 is **1.40** 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

