PRODUCT DATA SHEET

Q8 Handel D 46

Zinc-based detergent hydraulic oil with very high viscosity index

Description

Q8 Handel D 46 is an excellent zinc-based hydraulic oil used in a broad range of temperatures and applications. Its very high viscosity index (>180) leads to outstanding flow properties. Q8 Handel D 46 improves the dispersion of contaminants, water and other deposits that might affect the hydraulic system. The oil is suitable for off-road equipment and applications where water can be an issue.

Applications

Q8 Handel D 46 is used in all season applications, off-highway equipment and industries or applications that require a high viscosity index such as paper, steel, cement and mining industry. Q8 Handel D 46 is recommended for equipment where the hydraulic systems might be subject to water or potential pollution.

Benefits

- *Increased equipment lifetime thus less downtime of machinery*
- *Perfect for use during all seasons*
- *Emulsifies entrained water*
- *Excellent cleaning characteristics*
- *Outstanding protection against corrosion*
- *Excellently high viscosity index*
- *Highly suitable for applications in a broad temperature spectrum*

Specifications & Approvals

Bosch Rexroth	RE 90220 notes	**Eaton Brochure**	03-401-2010
DIN	51524-3 HVLPD		

Properties

	Method	Unit	Typical
ISO Viscosity Grade	*-*	*-*	*46*
Density, 15 °C	*D 4052*	*g/ml*	*876*
Colour	*D 1500*	*-*	*L1.0*
Kinematic Viscosity, 40 °C	*D 445*	*mm²/s*	*49.44*
Kinematic Viscosity, 100 °C	*D 445*	*mm²/s*	*9.78*
Viscosity Index	*D 2270*	*-*	*188*
Pour Point	*D 97*	*°C*	*-45*
Flash Point, COC	*D 92*	*°C*	*190*
Foam, 5 min blowing, seq. 1-2-3	*D 892*	*ml*	*0/50/50*
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*

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 D 46 is **1.50** 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