

Q8 Holst Range

Zinc-free hydraulic oils

Application

The Q8 Holst range is used where hydraulic systems equipped with fine filters or where systems that are not compatible with zinc based anti-wear hydraulic oils are required.

Specifications

- ISO 11158, category HM, ISO 6743-4, category HM
- DIN 51524, Part 2, category HLP, DIN 51502, category HLP

References

Q8 Holst provides the highest performance in systems sensitive to environmental contaminants and therefore equipped with fine filtration systems.

Q8 Holst is officially approved by major hydraulic pump manufacturers and recommended by equipment manufacturers among which are Alzmetall, Müller Weingarten and KHD Humboldt Wedag

Benefits

- Reliable operation of sensitive hydraulics such as servo systems and robotics through outstanding demulsibility and filterability
- Long service life due to high oxidation stability
- Suitable for most hydraulic equipment through its outstanding anti-wear performance

Typical Inspection Data

Q8 Holst Viscosity Grade		32	46	68
Property	Unit	Inspection Data		
Absolute Density, 15 °C	kg/m ³	870	875	881
Kinematic Viscosity, 40 °C	mm ² /s	32.0	46	68
Kinematic Viscosity, 100 °C	mm ² /s	5.33	6.72	8.66
Viscosity Index	-	98	98	98
Flash Point	°C	208	222	246
Pour Point	°C	- 18	- 18	- 18
Colour	-	L1.0	L1.0	L1.0
Copper Strip, 100 °C, 3 h	-	1	1	1
Rust Test, 24 h, Proc. A and B	-	pass	pass	pass
Total Acid Number	mg KOH/g	0.20	0.20	0.20
Emulsion, Distilled Water ,82.2	°C	40-40-0(10)	40-40-0(10)	40-40-0(10)
Air Release, 50 °C	min	3	4	5
Foam, 5 min blowing, seq. 1/2/3	ml	5/20/5	0/10/0	0/10/0
10 min settling, seq. 1/2/3	ml	0/0/0	0/0/0	0/0/0
Oxidation, Time to 2.0 TAN	h	2500	2500	2500
FZG Test, A/8,3/90	load stage	>12	>12	>12

Health and Safety

Reference should be made to the relevant Q8 Material Safety Data Sheet before use.

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technical data