

# Q8 Holst 220

## Application

- Hydraulic systems equipped with fine filters, or systems not compatible with zinc based anti-wear hydraulic oils

## Specifications

- ISO 11158, category HM
- DIN 51524 part 2, category HLP

## 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

## References

- Q8 Holst provides highest performance in systems sensitive to environmental contaminants and therefore equipped with fine filtration systems.
- Q8 Holst is approved by major hydraulic pump manufacturers and recommended by equipment manufacturers among which are Alzmetall, Müller Weingarten and KHD Humboldt Wedag

Properties	Method	Unit	Typical
ISO Viscosity Grade	-	-	220
Absolute Density, 15 °C	D 4052	kg/m <sup>3</sup>	891
Kinematic Viscosity, 40 °C	D 445	mm <sup>2</sup> /s	220
Kinematic Viscosity, 100 °C	D 445	mm <sup>2</sup> /s	19.0
Viscosity Index	D 2270	-	97
Flash Point	D 92	°C	268
Pour Point	D 97	°C	-12
Colour	D 1500	-	L3.0
Copper Strip, 3 h, 100 °C	D 130	-	1
Rust Test, Proc. A and B, 24 h	D 665	-	pass
Total Acid Number	D 974	mg KOH/g	0.20
Emulsion, Distilled Water, 82.2 °C	D 1401	-	40-40-0(15)
Foam, 5 min blowing, seq. 1/2/3	D 892	ml	0/10/0
10 min settling, seq. 1/2/3		ml	0/0/0
Oxidation, Time to 2.0 TAN	D 943	h	2500
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.