

# Q8 Holbein NWG 32

## Ecologically Acceptable Hydraulic Fluid

### Applications

Q8 Holbein NWG 32 is designed for hydraulic systems used in environmental sensitive area's for which biodegradable fluids are recommended that do not endanger aquatic life (NWG).

### Specifications

- ISO 11158 category HV (except oxidation stability D 943)
- DIN 51524, Part 3, category HVLP (except oxidation stability D 943)
- Draft DIN specification for HEES type fluids
- ISO 15380, HEES type
- SS 155434, category BV
- Nicht Wasser Gefährdend (Water hazard class: Not dangerous to aquatic species)
- The German Positivliste issued by IFAS
- Bosch Rexroth (HEES type)

### Benefits

- Mineral oil free special additives
- Wide application temperature range due to low pour point and high viscosity index
- Compatible with mineral and rapeseed oils
- Extended drain intervals due to high oxidation stability

### Formulation

- Synthetic Ester Based Fluids
- Anti-wear additive
- Anti-oxidant
- Rust inhibitor
- Corrosion inhibitor

### Typical Inspection Data

	Method	Units	Inspection Data
<b>Q8 Holbein NWG</b>			<b>ISO VG 32</b>
ISO Viscosity Grade	-	-	32
Absolute Density, 15 °C	D 4052	kg/m <sup>3</sup>	933
Kinematic Viscosity, 40 °C	D 445	mm <sup>2</sup> /s	34.2
Kinematic Viscosity, 100 °C	D 445	mm <sup>2</sup> /s	7.00
Viscosity Index	D 2270	-	170
Flash Point	D 92	°C	262
Pour Point	D 92	°C	-45
Colour	D 1500	-	L1.0
Rust Test, Proc. A and B, 24 h	D 665	-	pass
Emulsion, Distilled Water, 54.4 °C	D 1401	-	40-40-0 (15)
Air Release, 50 °C	DIN 51381	min	<1
Foam, 5 min blowing, seq. 1/2/3	D 892	ml	0/0/0
10 min settling, seq. 1/2/3		ml	0/0/0
Copper Strip, 3 h, 100 °C	D 130	-	1
Total Acid Number	D 974	mg KOH/g	1.0
Biodegradability, 28 days	OECD 301 B	%	>50
Vickers, 35VQ25A, 250 bar, 50 h	M-2952-S	-	pass

### Health and Safety

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

Nov 11



**Kuwait Petroleum International Lubricants (UK) Ltd**

Knowsthorpe Gate, Leeds LS9 0NP. UK

For further assistance contact the Technical help line Telephone +44 (0) 113 2365 223, Fax +44 (0) 870 238 4673

For Customer Sales Contact, Tel +44 (0) 113 2365 204, Fax +44 (0) 113 2485 026. [www.Q8Oils.co.uk](http://www.Q8Oils.co.uk)

In line with our policy of continued improvement, Kuwait Petroleum International Lubricants reserve the right to change specification and availability without prior notice



Certificate No. FM 89665

technical data