Q8 Goya 46

Application
- Industrial gears and circulation systems

Specifications
- ISO 12925-1, type CKC-CKD
- DIN 51517 Part 3, category CLP
- ANSI/AGMA 9005-E02

Benefits
- Top quality universal industrial gear oil
- Long service life due to outstanding oxidation and thermal stability
- Easy start-up under cold conditions results from low pour point
- Excellent rust protection even if contaminated with sea water
- Wear protection under the most severe conditions provided by effective extreme pressure additives

References
- Q8 Goya meets the specifications for extreme pressure gear oils of the major gear manufacturers and consumers among which is the U.S. Steel specification 224
- Q8 Goya has been approved by David Brown Gear Industries
- Q8 Goya has been approved by Rexroth Bosch Group (Lohmann + Stolterfoht)
- Q8 Goya has been approved by Müller-Weingarten

Properties	Method	Unit	Typical
ISO Viscosity Grade	-	-	46
Absolute Density, 15 °C	D 4052	kg/m³	879
Kinematic Viscosity, 40 °C	D 445	mm²/s	46.0
Kinematic Viscosity, 100 °C	D 445	mm²/s	6.68
Viscosity Index	D 2270	-	97
Flash Point	D 92	°C	218
Pour Point	D 97	°C	-30
Colour	D 1500	-	L1.0
Carbon Residue	D 524	% mass	0.17
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	0.5
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
FZG Test, A/8.3/90	DIN 51354	load stage	12+
Four Ball, Weld Load	D 2783	N	4000
Mean Hertz Load		N	461
Four Ball Wear, 1 h, 54 °C,			
1800 rpm, 196 N, scar	D 4172	mm	0.21
Timken, OK Load	D 2782	N	223
Thermal Stability, Procedure B,			
100 °C, 72 h	C-M	-	pass
Viscosity Increase at 100 °C		mm²/s	0.2
Oxidation Test	D 943	hours	>1000

The figures above are not a specification. They are typical figures obtained within production tolerances.