

Q8 Goya 320

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 | - | - | 320 |
| Absolute Density, 15 °C | D 4052 | kg/m ³ | 897 |
| Kinematic Viscosity, 40 °C | D 445 | mm ² /s | 320 |
| Kinematic Viscosity, 100 °C | D 445 | mm ² /s | 24.22 |
| Viscosity Index | D 2270 | - | 96 |
| Flash Point | D 92 | °C | 248 |
| Pour Point | D 97 | °C | -18 |
| Colour | D 1500 | - | L2.5 |
| Carbon Residue | D 524 | % mass | 0.35 |
| 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 | 578 |
| Four Ball Wear, 1 h, 54 °C, 1800 rpm, 196 N, scar | D 4172 | mm | 0.26 |
| Timken, OK Load | D 2782 | N | 267 |
| Thermal Stability, Procedure B, 100 °C, 72 h | C-M | - | pass |
| Viscosity Increase at 100 °C | | mm ² /s | 1.5 |
| Oxidation Test | D 943 | hours | >1000 |

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

