

## Q8 Goya 46

Classic performance industrial gear oil

### Description

Q8 Goya 46 is an advanced mineral oil that meets the current standards for gear lubricants and provides high industrial performance. Its oxidation and thermal stability guarantee a long service life of the lubricant. Q8 Goya 46 provides an optimum wear and corrosion protection under all conditions and has a minimal downtime thanks to a high load carrying capacity.

### Applications

Q8 Goya 46 is used in mid to high loaded industrial gearboxes, paper and steel mills, cement and mining, plastic extrusion and injection, aerators and agitators. It is also applied in non-gear applications including shaft couplings, screws and mid to high loaded plains and rolling contact bearings (medium to high speed).

### Benefits

- Minimizes downtime which leads to a higher maintenance efficiency
- Advanced anti-wear characteristics
- Advanced protection against corrosion
- Highly resistant to oil deterioration

### Specifications & Approvals

ANSI/AGMA  
DIN

9005-F16  
51517-3 CLP

ISO

12925-1 CKC-CKD

### Properties

	Method	Unit	Typical
ISO Viscosity Grade	-	-	46
Density, 15 °C	D 4052	g/ml	0,879
Kinematic Viscosity, 40 °C	D 445	mm <sup>2</sup> /s	46.0
Kinematic Viscosity, 100 °C	D 445	mm <sup>2</sup> /s	6.68
Viscosity Index	D 2270	-	97
Total Acid Number	D 974	mg KOH/g	0.5
Pour Point	D 97	°C	-30
Flash Point, COC	D 92	°C	218
Colour	D 1500	-	L 1.0
Carbon Residue	D 524	% mass	0.17
Foam, 5 min blowing, seq. 1-2-3	D 892	ml	0/0/0
Foam, 10 min settling, seq. 1-2-3	D 892	ml	0/0/0
Rust Test, Proc. A and B, 24 h	D 665	-	pass
Copper Strip, 3 h, 100 °C	D 130	-	1a
Four Ball Test, Weld Load	IP 239	N	4000
Four Ball Wear, 196 N, 54 °C, 1800 rpm	D 4172	mm	0.21
Timken, OK Load	D 2782	N	223
Mean Hertz Load	-	N	461
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.

### Remarks

Miscible and compatible with mineral and PAO-based gear oils.

## Sustainability

*The product Carbon Footprint (PCF), cradle-to-gate (Q8Oils state of the art facility in Belgium), of Q8 Goya 46 is **1.23** kg CO<sub>2</sub>eq / kg.*

*Please contact Q8Oils to learn more about the positive environmental impact, the handprint, of this product.*

*To ensure accuracy and reliability, the PCF calculation tool has been verified by an independent third party. The verification report is available in the disclaimer.*

*For more info check [here](#)*



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