

Q8 SL Gear Lubricant 460

Exceptional performance oil for shock loaded industrial gears

Description

Q8 SL Gear 460 is an exceptional performance oil specially developed for shock load conditions and operations in extremely harsh conditions. This oil has a superior wear protection in the most severe situations and has a Timken load performance of 290 N. Q8 SL Gear 460 meets the requirements of a major steel company and is oxidation resistant and thermal degraded.

Applications

Q8 SL Gear 460 is perfect for extremely loaded and shock loaded industrial gearboxes operating in harsh conditions. used in steel, cement and mining industry. Q8 SL Gear 460 is perfect for extremely loaded and shock loaded industrial gearboxes operating in harsh conditions. Q8 SL Gear 460 can be used in damaged, worn or poorly aligned gear transmissions.

Benefits

- Minimizes downtime which leads to a higher maintenance efficiency
- Extends service life time thus minimal costs and maximal efficiency
- Extreme high load carrying capacity
- Extremely recommended in extremely difficult and rough conditions
- Highly resistant to ageing
- Outstandingly resistant to rust

Specifications & Approvals

ANSI/AGMA

9005-D94

ISO

12925-1 CKB-CKC-CKE

Properties

	Method	Unit	Typical
ISO Viscosity Grade	-	-	460
Density, 15 °C	D 4052	g/ml	0,902
Kinematic Viscosity, 40 °C	D 445	mm ² /s	460
Kinematic Viscosity, 100 °C	D 445	mm ² /s	30.50
Viscosity Index	D 2270	-	96
Total Acid Number	D 974	mg KOH/g	0.5
Pour Point	D 97	°C	-15
Flash Point, COC	D 92	°C	234
Colour	D 1500	-	L 2.5
Carbon Residue	D 524	% mass	0.25
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	-	1
Four Ball Test, Weld Load	IP 239	N	>5000
Four Ball Wear, 196 N, 54 °C, 1800 rpm	D 4172	mm	0.26
Timken, OK Load	D 2782	N	290
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.

Sustainability

*The product Carbon Footprint (PCF), cradle-to-gate (Q8Oils state of the art facility in Belgium), of Q8 SL Gear Lubricant 460 is **1.25** kg CO₂eq / 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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