PRODUCT DATA SHEET

Q8 SL Gear Lubricant 680

Exceptional performance oil for shock loaded industrial gears

Description

Q8 SL Gear 680 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 680 meets the requirements of a major steel company and is oxidation resistant and thermal degraded.

Applications

Q8 SL Gear 680 is perfect for extremely loaded and shock loaded industrial gearboxes operating in harsh conditions. used in steel, cement and mining industry. Q8 SL Gear 680 is perfect for extremely loaded and shock loaded industrial gearboxes operating in harsh conditions. Q8 SL Gear 680 can be used in damaged, worn or poorly aligned gear transmissions.

Benefits

- *Lower downtime and an improved maintenance efficiency*
- *Extends service life time thus minimal costs and maximal efficiency*
- *Extreme high load carrying capacity*
- *Extremely applicable in difficult and severe conditions*
- *Highly resistant to ageing*
- *Outstanding anti-rust properties*

Specifications & Approvals

ANSI/AGMA	9005-D94	**ISO**	12925-1 CKB-CKC-CKE

Properties

	Method	Unit	Typical
ISO Viscosity Grade	*-*	*-*	*680*
Density, 15 °C	*D 4052*	*g/ml*	*0.911*
Kinematic Viscosity, 40 °C	*D 445*	*mm²/s*	*682*
Kinematic Viscosity, 100 °C	*D 445*	*mm²/s*	*38.2*
Viscosity Index	*D 2270*	*-*	*92*
Flash Point, COC	*D 92*	*°C*	*204*
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*	*5300*
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 680 is ***1.34*** *kg CO_2eq / 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

we take care

PRODUCT CARBON FOOTPRINT
METHOD VALIDATED BY:

PCF CALCULATION IN LINE WITH:
ISO 14067 | ATIEL-UEIL PCF

VINÇOTTE