PRODUCT DATA SHEET

Q8 Galilei 320

Synthetic industrial gear oil recognized by Siemens Flender

Description

Q8 Galilei 320 is a superior synthetic industrial gear oil that guarantees the highest level of gearbox protection as recognized by Siemens Flender. Q8 Galilei 320 is a high performing fluid that equals the Poly-Alpha Olefin products, without the actual use of PAO. Its characteristics improve energy efficiency in comparison with mineral and PAO-based oil. The lubricant is inherently biodegradable (49% in 28 days).

Applications

Q8 Galilei 320 is perfect for use in heavily industrial gearboxes operating in rough conditions such as wind turbines, paper and steel mills, cement and mining, plastic extrusion and injection, aerators and agitators.
Q8 Galilei 320 provides a high gear protection level as urged by major OEMs such as Siemens Flender, Hansen Sumitomo, Moventas and Winergy.

Benefits

- *Enhanced efficiency of operations, equipment and machines*
- *Extensive oil drain interval for a longer lubricant lifetime*
- *Minimizes downtime which leads to a higher maintenance efficiency*
- *Superior decrease of friction*
- *Extremely appropriate for use in a wide range of temperatures*
- *Extremely resistant to ageing*
- *Exceptional thermal durability*
- *Superior synthetic oil*
- *Highest level of protection (load stage 10) at 60°C and 90°C*
- *Outstandingly recommended in extremely difficult and rough conditions*
- *Long term stable fluid viscosity through excellent shear stability*

Specifications & Approvals

ANSI/AGMA	9005-F16	**ISO**	12925-1 CKE
DIN	51517-3 CLP	**Moventas**	Field trial
Hansen Sumitomo		**Siemens Flender**	MD rev. 16.2
IEC	61400-4	**Winergy**	Field trial
ISO	12925-1 CKC-CKD		

Properties

	Method	Unit	Typical
ISO Viscosity Grade	-	-	320
Density, 15 °C	D 4052	g/ml	0,892
Kinematic Viscosity, 40 °C	D 445	mm²/s	321.0
Kinematic Viscosity, 100 °C	D 445	mm²/s	37.6
Viscosity Index	D 2270	-	166
Pour Point	D 97	°C	-36
Flash Point, COC	D 92	°C	>190
Air Release, 75 °C	D 3427	min	4
Foam, 5 min blowing, seq. 1-2-3	D 892	ml	0/20/0
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
Total Acid Number	D 664	mg KOH/g	0.8
Timken, OK Load	D 2782	N	>402
FZG Test, A/8.3/90	DIN 51354	load stage	pass 14
FZG Test, A/16.6/90	DIN 51354	load stage	pass 14
FZG Grey Staining Test, 60 °C	FVA 54-7	load stage	10
FZG Grey Staining Test, 90 °C	FVA 54-7	load stage	10
Biodegradability, 28 days	OECD 301 B	%	inherently (49%)

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

Remarks

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

Sustainability

*The product Carbon Footprint (PCF), cradle-to-gate (Q8Oils state of the art facility in Belgium), of Q8 Galilei 320 is **1.11** 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