

## 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

<b>ANSI/AGMA</b>	9005-F16	<b>ISO</b>	12925-1 CKE
<b>DIN</b>	51517-3 CLP	<b>Moventas</b>	Field trial
<b>Hansen Sumitomo</b>		<b>Siemens Flender</b>	MD rev. 16.2
<b>IEC</b>	61400-4	<b>Winergy</b>	Field trial
<b>ISO</b>	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	mm <sup>2</sup> /s	321.0
Kinematic Viscosity, 100 °C	D 445	mm <sup>2</sup> /s	37.6
Viscosity Index	D 2270	-	166
Total Acid Number	D 664	mg KOH/g	0.70
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
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.