

Lubricants for industry.

# Aerogear 320



High-performance lubricant formulated with sulfur-phosphorus extreme pressure (EP) additives, designed for use in wind turbine gearbox systems.

### > Use

- Moeve Aerogear 320 is particularly recommended for wind turbine gearboxes of all sizes and power ratings.
- Its excellent extreme pressure properties make it essential for heavily loaded gears operating at low speeds, where there is a risk of micropitting.
- It's recommended for all types of industrial steel gears in enclosed housings that operate under severe service conditions and are subject to high shock loads, including gears that run at very high speeds.

### > Benefits

- Excellent lubricating power. Reduces the friction coefficient under thin-film lubrication conditions.
- High thermal and oxidative stability. Prevents sludge from forming at high temperatures.
- High anti-corrosion and anti-rust properties in the presence of moisture.
- High resistance to the formation of foam and emulsions with water.
- Enables controlled running-in by preventing the gear teeth from seizing up
- Limits power loss due to friction, ensuring smooth, uniform, and quiet gear operation.
- Extends gear service life by reducing the presence of oxidized compounds, wear particles, and deposits in general.

### > Specifications

- DIN 51517 Part 3 CLP
- AGMA 9005-F16 AntiScuff
- AIST 224
- ISO 12925-1 Type CKC/CKD
- DAVID BROWN S1.53.101 Type E
- MÜLLER WEINGARTEN 59
- FIVES CINCINNATI P-59
- SIEMENS FLENDER AG Rev.13

### › Physical and chemical properties

Parameter	Units	Method	Aerogear 320
<b>ISO Grade</b>	-	-	<b>320</b>
Density at 15°C	kg/l	ASTM D-4052	0.904
V/A flash point	°C	ASTM D-92	>220
Pour Point	°C	ASTM D-5950	-21
Viscosity at 40°C	cSt	ASTM D-445	313
Viscosity Index	-	ASTM D-2270	96
Demulsibility (82°C, up to 3 ml)	minutes	ASTM D-1401	<30
Foam test, Sec. I	ml/ml	ASTM D-892	10/0
FZG Scuffing Test, Failure Stage	-	DIN 51354-2	>12
FZG Micropitting Test, Failure Stage	-	FVA 54	>10
Timken OK Load, min.	lb	ASTM D-2782	80
4-ball extreme pressure test: Weld load, min.	kg	ASTM D-2783	250
AGMA Classification No.	-	AGMA 9005-E02	6EP

### › Health & safety and environment

A Material Safety Data Sheet providing information on product hazards, handling precautions, first aid measures, and relevant environmental data is available for this product as per applicable legislation.