

AEROMIL SYNTHETIC CLP 320

Synthetic based oil for wind turbine gears

Product description and application

The highest quality oil dedicated for wind turbine gears. Based on a synthetic base fluid which ensures exceptional thermal stability of the oil, increased resistance to oxidation as well as the ability to carry very high loads.

The unique recipe provides exceptional protection against sludge and deposit formation which leads to staying system clean over the extended period of time and ensures increased lifetime of the filters. Precisely selected performance additives used in the production of AEROMIL Synthetic CLP 320 product guarantee reliable and long-term operation of wind turbine gearbox. The high degree of resistance to micropitting, high viscosity index, improved demulsifying properties, effective air release and compatibility with sealing materials are some of the additional advantages of this oil.



Characteristics

- Exceptional anti-wear and micropitting protection,
- High oxidation stability,
- Minimum viscosity drops with increasing operating temperature,
- Effective anti-corrosion protection,
- Compatibility with non-ferrous metals,
- Compatibility with sealing materials,
- No blockage of the filters, also in the presence of moisture.

Meets requirements of bearing manufacturers:

- FAG Schaeffler (4-step test)
- SKF

Designed to meet requirements of OEMs:

- Winergy
- ZF Wind
- Eickoff
- Moventas

Meets requirements of:

- DIN 51517 part 3
- ISO 12925- CKD, CKSMP
- AGMA 9005 F 16
- ISO 3448: VG 320
- IEC 61400-04

Approved by:

- Flender Rev. 16.1
- Hansen Sumitomo
- RENK Augsburg

Typical parameters

Requirements	Test methods	Unit	AEROMIL SYNTHETIC CLP 320
Kinematic viscosity at 40°C	ASTM D 445	mm ² /s	320
Pour point	ASTM D 5950	°C	-36
Demulsifying properties	ASTM D 1401	min	20
Viscosity index min.	ASTM D 2270		165
Flash point	PN-EN ISO 2592	°C	220
Copper corrosion (3 h 100°C)	ASTM D 130		1a
FZG Scuffing Load Test	[A/8.3/90] & [A/16.6/90]	LS	>14
FZG Micropitting Test @ 60°C & @ 90°C	FVA 54 VII	GFT	>10

The above figures are typical of those obtained with normal production batch, they are not a technical specification, due to continuous development of the product, they may change.

Security and storage

All packages should be stored under a roof. If they are stored in the open air where they can be exposed to atmospheric conditions - rain, they should be placed in a horizontal position, so as to prevent ingress of water and prevent the destruction of marking, it is best to use canvas. The product must not be stored in temperatures exceeding 60°C nor exposed to direct sunlight or in low temperatures below 0°C. The guaranteed shelf life of the product for use under storage conditions is 5 years.

Observe the general rules of health and safety at work and comply with the recommendations contained in the current edition of the Safety Data Sheet or the Product Information for which the Safety Data Sheet is not required.

LOTOS Oil and cooperating companies do not take responsibility for the consequences of improper product use or non-use of the precautions.

Data contained in this document does not constitute an offer within the meaning of the Act of 23 April 1964 - Civil Code. LOTOS Oil assumes no responsibility for any consequences of the use of the information contained herein, in particular when deciding on trade and investment. All data contained herein are typical of those obtained with normal production batch, they may vary slightly due to characteristics of the production process, as well as due to continuous product development. The data in the sheet may be subject to change. LOTOS Oil is not responsible for the availability of the product.

Available Packages

17 kg, 180 kg, 860 kg



LOTOS Oil Sp. z o.o.
135 Elbląska, PL 80-718 Gdansk
Telephone number +48 58 308 73 21, fax +48 58 308 84 18
e-mail: biuro@lotosoil.pl
www.lotosoil.pl

District Court Gdansk--Północ in Gdansk,
VII Economic Division of the National Court Register, KRS No.
000054982
NIP number 583-27-95-923, REGON number 192775657,
BDO: 000025638