

LUBRICANTS FOR INDUSTRIAL USE

CEPSA AEROGEAR 320

DESCRIPTION

High-performance lubricating oil formulated with extreme pressure sulfur-phosphorus additives, developed for use with all types of steel industrial gears in transmission boxes operating under extreme conditions, especially for application in wind turbines.

PRODUCT APPLICATIONS

- Especially recommended for use in the gearboxes of wind turbines of all sizes and capacities.
- Recommended for all types of industrial steel gearing in sealed gearboxes, operating under severe service conditions and subject to high shock loads, or large constant or intermittent forces, including those that operate at very high loads and speeds.
- Its excellent extreme pressure properties make it essential for certain, heavily loaded reducers at low speeds, where there is a risk of "MICROPITTING".

PRODUCT PERFORMANCE

- Excellent lubricant properties. Reduces the coefficient of friction under thin film lubrication conditions.
- High resistance to the formation of foams and water emulsions.
- Excellent thermal and oxidation stability. Prevents sludge formation at high temperatures.
- High anti-corrosive and anti-rust powers in the presence of moisture.
- Facilitates controlled running and prevents pitting of gear teeth.
- Limits friction losses, smooth, uniform and silent gear operation.
- Increases gearing useful life by reducing the presence of oxidised compounds, wear particles and deposits in general.
- Notably increases oil change periods due to its excellent oxidation stability and easy water separation.

SPECIFICATIONS

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

TYPICAL CHARACTERISTICS

CHARACTERISTIC	UNITS	METHOD	CEPSA AEROGEAR 320
ISO GRADE			320
Density at 15 °C	Kg/l	ASTM D-4052	0,905
Ignition point, COC,	°C	ASTM D-92	270
Pour point, max.	°C	ASTM D-5950	-21
Viscosity at 40 °C	cSt	ASTM D-445	319,8
Viscosity at 100°C	cSt	ASTM D-445	24,3
Viscosity index	-	ASTM D-2270	97
Demulsibility 82°C to 3 ml	minutes	ASTM D-1401	<30
Foam Tendency, Seq. I	ml/ml	ASTM D-892	10/0
FZG A/8.3/90, load failure stage	-	DIN 51354-2	>14
FZG Micropitting Test, load failure stage	-	FVA 54	>10
Timken OK Load, min.	lb	ASTM D-2782	80
4-Ball EP Test: Weld Load, min	kg	ASTM D-2783	250
AGMA clasification	-	AGMA 9005-E02	6EP

HEALTH & SAFETY AND ENVIRONMENT

Health, safety and environmental information is provided for this product in the Materials Safety Data Sheet. This gives details of potential hazards, precautions and First Aid measures together with environmental effects and disposal of used products.