

# CEPSA AEROGEAR SYNT

## Description



A 100% synthetic lubricating oil with a PAO/Ester base, with extreme pressure additives of the sulphur-phosphorous type, developed for all kinds of industrial steel gears in a closed sump.

### Applications

- Especially recommended for all types of steel industrial gears in a closed sump, operating under severe service conditions and subjected to high shock loads, including those that work at very high speed.
- Its excellent Extreme Pressure properties make it indispensable for certain heavily loaded gearboxes and at low speeds where there is a risk of MICRO-PITTING, as in the case of the multipliers for wind turbines.

### Performance

- Excellent lubricating power. It lowers the slip coefficient under thin film lubricating conditions.
- Great thermal and oxidation stability. It prevents sludges from forming at high temperatures.
- High anti-corrosive and anti-rust power in the presence of moisture.
- Excellent water separation.
- High resistance to the formation of foam.
- Excellent protection against wear by micro-pitting.
- Limits power loss from friction and makes gears function smoothly, uniformly and silently.
- Increase the useful life of the gears and bearings
- Due to its synthetic nature, it allows oil change periods to be notably increased, as a result of its great oxidation stability.

## Specifications

• DIN 51517 Parte 3 (CLP)	• ISO 12925-1 Type CKC / CKD / CKS / CKT	• AIST 224
• AGMA 9005-E02 (EP)	• DAVID BROWN S1.53.101 Type E	• CINCINNATI MACHINE P-59
• FLENDER AG Rev.13	• WINERGY	• ACCIONA ENERGÍA
• BOSCH-REXROTH	• GAMESA	• IBERDROLA – Óleo Project

## Typical Characteristics

CHARACTERISTICS	ASTM STANDARD (ISO-3448)	CEPSA AEROGEAR SYNT
<b>ISO grade</b>		<b>320</b>
Density at 15 °C, kg/l	D-4052	0,862
Flash point O/C, °C, min.	D-92	>250
Freezing point, °C, max.	D-5950	-40
Viscosity at 40 °C, cSt	D-445	320
Viscosity at 100 °C, cSt	D-445	33
Viscosity Index	D-2270	155
FZG Scuffing (A/8.3/90), passes stage	DIN 51354-2	14
FZG Micro-pitting, passes stage	FVA 54	10

## 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.