

LUBRICANTS FOR INDUSTRIAL USE

CEPSA ENGRANAJES HPS

DESCRIPTION

Polyglycol-based fully synthetic lubricant oil formulated with additives that provide excellent antioxidant, anti-corrosion and extreme pressure properties, thereby ensuring its use in different applications and under the most extreme operating conditions, with continuous service working temperatures between - 30°C and 200°C.

PRODUCT APPLICATIONS

- Lubrication of closed gears, worm reducers, sliding and rolling bearings and all types of equipment that works under the most demanding high-load and high-temperature conditions requiring the use of an EP (extreme pressure) lubricant with high thermal stability.
- Machinery for paper, textile, and plastics plants where synthetic oil is recommended and operating conditions above 150°C are experienced.

PRODUCT PERFORMANCE

- Minimum energy loss due to its low friction coefficient and high thermal transfer, making this oil specifically recommended for worm reducers.
- Reduction of wear in the lubricated components.
- High thermal and oxidation stability, reducing deposit formation.
- Reductions in equipment downtime with lower maintenance costs.
- Its low pour point and very high viscosity index allows its use over a wide range of temperatures and improves its performance under extreme conditions.
- Compatible with most seals and gaskets.

PRECAUTIONS

- This product must not be mixed with mineral oils because its performance will be considerably reduced. Thorough cleaning of the system is, therefore, necessary when changing from a mineral oil to CEPSA ENGRANAJES HPS synthetic oil.

SPECIFICATIONS

- DIN 51517 Parte 3 CLP
- AIST 224
- ISO 12925-1 Tipo CKC / CKD / CKS
- FIVES CINCINNATI P-Specs
- AGMA 9005-F16 AntiScuff

TYPICAL CHARACTERISTICS

CHARACTERISTIC	UNITS	METHOD	CEPSA ENGRANAJES HPS			
			150	220	320	460
ISO GRADE						
Density at 15°C	Kg/l	ASTM D-4052	0,9992	0,9996	1,0015	1,0035
Flash Point, COC	°C	ASTM D-92	230	232	232	232
Pour Point	°C	ASTM D-5950	-33	-30	-30	-27
Viscosity at 40°C	cSt	ASTM D-445	150	220	320	460
Viscosity at 100°C	cSt	ASTM D-445	23,2	34	50	69,5
Viscosity Index	-	ASTM D-2270	185	202	220	230
FZG Test, load failure stage	-	DIN 51354-2	>12	>12	>12	>12
Four-ball (D scar, max)	mm	ASTM D-2266	0,35	0,35	0,35	0,35
(Load, min)	kg	ASTM D-2783	240	240	240	240

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.