

## LUBRICANTS FOR INDUSTRIAL USE

## CEPSA ENGRANAJES XMP

### DESCRIPTION

Lubricating oil formulated with very high quality bases and extreme pressure additives, developed for all types of industrial gears in steel transmission boxes and for extreme operating conditions, where there is a risk of micro pitting.

#### PRODUCT APPLICATIONS

- Especially recommended for all types of steel industrial gears in sealed transmission boxes operating under severe service conditions and subject to high impact loading and constant or intermittent heavy stress, particularly for gears operating under very high loadings and speeds.
- Its excellent ability to withstand extreme pressures make it a prerequisite for certain highly loaded reducers that work at low speeds, when there is a risk of micro pitting.

#### PRODUCT PERFORMANCE

- Excellent lubricant properties. Reduces the friction coefficient in thin film lubrication conditions. Excellent demulsibility properties.
- Excellent thermal and oxidation stability. Prevents sludge formation at high temperatures.
- Good anti-corrosion and antioxidant properties in the presence of humidity.
- High resistance to the formation of foams and water emulsions.
- Facilitates controlled operation and prevents localized corrosion of gear teeth.
- Limits friction losses, gears work uniformly and silently.
- Extends the service life of gears by reducing the presence of oxidized compounds, wear particles and deposits in general.
- Greatly increases the periods between oil changes due to its excellent oxidation stability and easy water separation.

### SPECIFICATIONS

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

### TYPICAL CHARACTERISTICS

CARACTERÍSTICA	UNIDADES	MÉTODO	CEPSA ENGRANAJES XMP		
			220	320	460
GRADO ISO					
Density at 15°C	Kg/l	ASTM D-4052	0,899	0,904	0,907
Flash Point, COC	°C	ASTM D-92	266	242	256
Pour Point, max.	°C	ASTM D-5950	-21	-18	-12
Viscosity at 40°C	cSt	ASTM D-445	215,3	313	441
Viscosity at 100°C	cSt	ASTM D-445	18,7	23,8	29,9
Viscosity Index	-	ASTM D-2270	97	96	96
FZG scuffing test, load failure stage	-	DIN 51354-2	>14	>14	>14
FZG Micro Pitting Test, load failure stage	-	FVA 54	>10	>10	>10
Timken OK Load, min.	lb	ASTM D-2782	80	80	80
Four-ball extreme pressure test: Weld loading, min.	kg	ASTM D-2783	250	250	250

### 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.