

# CEPSA RADA XMP



## Description

Very high quality mineral-based lubricant oils with sulfur-phosphorus type extreme pressure (EP) additives, developed for all types of steel gears, both industrial and marine. They contain additives against rust and corrosion, as well as special agents to increase oxidation stability and resistance to foam formation.

### Applications

- Particularly recommended for the lubrication of all types of steel industrial gears in sealed cases that operate under severe service conditions and are subjected to high shock loads, including those that operate at very high speeds.
- Its excellent extreme pressure properties make it essential for certain reduction gears that are highly loaded and operate at low speeds, where there is a risk of micropitting, such as with some marine reduction gearbox manufacturers.

### Product performance

- Excellent lubricating capacity. Reduces the friction coefficient under thin-film lubrication conditions.
- High thermal and oxidation stability. Prevents the formation of sludge at high temperatures.
- High anti-corrosive and anti-rust capacity in the presence of humidity.
- Good water separation.
- High resistance to foam formation.
- Facilitates controlled rolling by preventing gear teeth pitting.
- Limits rolling power loss, with smooth, uniform and silent gear operation.
- Increases the service life of gears by reducing the presence of oxidized compounds, wear particles and deposits in general to a minimum.
- Excellent compatibility with joint materials.

## Specifications

• AIST 224	• DIN 51517 Part 3	• FLENDER AG
• AGMA 9005-E-02 (EP)	• DAVID BROWN 51.53.101 Type E	• CINCINNATI MACHINE P-74
• SEB 181.226	• MÜLLER WEINGARTEN	

## Typical Characteristics

SPECIFICATIONS	ASTM STANDARD	CEPSA RADA					
ISO Grade		68	100	150	220	320	460
Density at 15 °C, g/cc	D-4052	0.886	0.890	0.895	0.899	0.904	0.908
Flash Point O/C °C, min.	D-92	>200	>200	>215	>220	>220	>225
Freezing Point °C, max.	D-5950	-21	-18	-18	-18	-18	-12
Viscosity at 40 °C, cSt	D-445	66	98.1	147.3	217	314.5	465.9
Viscosity at 100 °C, cSt	D-445	8.6	11.2	14.9	18.5	23.9	30.5
FZG Test, stage pass	DIN 51354-2	12	12	12	12	12	12
FZG Micropitting Test, stage pass	FVA 54	10	10	10	10	10	10
Viscosity Index	D-2270	100	99	99	96	96	90
Copper Plate Corrosion 3h at 100°C	D130	1B	1B	1B	1B	1B	1B
Rust Protection	D-665	Pass	Pass	Pass	Pass	Pass	Pass

## Health & Safety and Environment

In accordance with current legislation, all health, safety and environmental information for this product is provided on the Material Safety Data Sheet, which gives details of potential hazards, handling precautions and first aid measures, together with environmental data.