

# LUBRAL ENGRANES EP MICROPITTING ISO VG 680

## EXTREME PRESSURE LUBRICANT FOR INDUSTRIAL GEARS

### DESCRIPTION

Extreme pressure lubricant of optimal quality to be used in a wide variety of industrial gears, both in simple bearings and in antifriction bearings that are part of closed transmissions operating under severe service conditions. They contain additives that impart antifriction and extreme pressure (EP) characteristics, high oxidation stability, and corrosion protection specially designed to avoid "micropitting".

### BENEFITS

- High capacity to bear loads.
- Low maintenance costs
- High thermal and oxidation stability that inhibits the formation of sludge and deposits even at high oil operating temperatures.
- Anti-friction characteristics that reduce friction losses and therefore wear on lubricated components.
- High resistance to "micropitting" increasing the life time of the equipment components.
- High viscosity index that give optimal performance in a wide temperature range.
- Antifoam characteristics that control foaming.

- Demulsifying characteristics that allow the rapid separation of water and oil in a short time.
- Protection against rust and corrosion.
- High adhesiveness even in the presence of water.

### APPLICATION

Formulated to be applied in all types of enclosed gear transmissions with circulation or splash lubrication systems and in speed reducers with spur, bevel and helical gears; speed reducers for conveyor belts, rolling mills, screens, etc. Specially designed to address the severe conditions related to the operation of wind turbines where "micropitting" is a concern.

### MEET THE REQUIREMENTS

- AGMA 9005-E02
- U.S. Steel 224
- Cincinnati EP Gear Oils
- DIN 51517 Part 3
- David Brown S1.53.101
- ISO 12925-1 CKC/CKD

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### CHARACTERISTICS

TESTS	TEST METHOD	TYPICAL VALUE
ISO Grade		680
KINEMATIC Viscosity @40°C, cSt	ASTM D445	680
Kinematic Viscosity @100°C, cSt	ASTM D445	39
Viscosity Index	ASTM D2270	95
Flash Point COC °C	ASTM D92	250
Pour Point °C	ASTM D97	-12 máx.
Resistance To Rust Formation	ASTM D665	Pass
Foaming Tendency / Stability ml	ASTM D892	
Sequence I		20/0
Sequence II		50/0
Sequence III		20/0
Copper Corrosion	ASTM D130	1b
Color	ASTM D1500	4.0
Appearance	Visual	Brilliant

Typical Properties are those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are expected during normal manufacturing and at different mixing locations.

The information in this document is subject to change without notice. Product availability may vary depending on the location. For more information, you can contact us at [venta@lubral.com](mailto:venta@lubral.com)