

COUGAR SERIES 9000 SYNTHETIC GEAR LUBRICANTS

The Cougar Series 9000 Synthetic Gear Lubricants are high performance industrial gear oils which have been especially designed to provide outstanding protection to industrial gearboxes operating under extreme conditions.

Cougar Series 9000 is manufactured from PAO base oils which provide excellent thermal stability and oxidation resistance, due to their naturally high viscosity index and provide excellent low temperature operation. They contain an advanced additive system that provides exceptional resistance to micro pitting wear and wear associated with heavily loaded / shock loaded industrial gearboxes.

Cougar Series 9000 lubricants are recommended for use as extended life lubricants in industrial gearbox applications operating under extreme conditions of load and temperature e.g wind turbines, cement plants, steel plants, paper mills and plastic extruder gearboxes

FEATURES & BENEFITS

- **Compatibility** - Compatible with seals, paints and materials usually associated with mineral oil systems.
- **Wide Operating Temperature Range** – Very high viscosity index ensures operation over a wide range of operating temperatures
- **Very Low Coefficient of Friction** – Reduces energy consumption.
- **Tenacious Film Strength** - Adhesive additive ensures oil film protection even under the most severe loads – Provides Noise Reduction.
- **Excellent Corrosion Protection** - Special corrosion inhibitors provide maximum protection to metal surfaces.
- **Excellent Oxidation Resistance.**
- **Ease of Conversion** - Miscible and compatible with conventional mineral lubricants.
- **Good Thermal Stability** – Longer oil life compared to conventional oils.

TYPICAL CHARACTERISTICS

Grade CG	9000-220	9000-320	9000-460
Colour	Blue	Blue	Blue
Density at 15°C, Kg/l	0.857	0.861	0.863
Viscosity at 40°C, cSt	221.7	319.7	459.2
Viscosity at 100°C, cSt	24.9	32.9	43.8
Viscosity Index	149	149	154
Timken EP, ASTM D2782, lbs	70	70	70
FZG Micropitting, FVA 54 IIV	>10	>10	>10
Flash Point COC, °C min	263	263	268
Pour Point, °C max	-27	-25	-23
Copper Corrosion ASTM D130	1b	1b	1b

MEETS PERFORMANCE REQUIREMENTS OF

AISI 224	Hansen
DIN 51517 Part 3 Group CLP	Jahnel-Kestermann
AGMA 9005 – E02	ISO 6743 CKD
David Brown	
Flender	

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COUGAR LUBRICATION LTD

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