

# MOLYGULF SPECIALIZED LUBRICANTS

Ultimate High Performance Specialty Lubricants



## SG-40 MOLY SYNTHETIC HEAVY DUTY GEAR OIL



**SG-40** Is a Multi-Purpose, thermally stable and thermally durable Para-synthetic Heavy Duty Gear Lubricant. It is blended from the finest high quality severely hydro-treated Polyalphaolefin (PAO) Synthetic base fluids and severely solvent refined, severely hydro-finished pure high viscosity index 100% pure paraffin base oils available.

### **APPLICATION:**

Recommended for use in all types of Heavy Duty enclosed Industrial and automotive Gear Drives, Hearing loaded industrial gear boxes, rock and coal crushers / pulverizes, chains / cables, rollers, bushing, slides, pins and cams, differentials and transmission in automotive, trucking construction and mining, various saw mill applications, aerator agitator gear units, extruder gear boxes and etc.

### **FEATURES:**

1. Excellent E.P. Properties to protect Gears and bearings from excessive Wear & Fatigue.
2. Prevention of the formation of sludge and carbon deposits that can erode seals
3. A vast reduction in the formation of deposits.
4. Excellent resistance to water and moisture.
5. Enhanced protection of copper, brass and bronze components from corrosion
6. Better heat transfer and Excellent Seal compatibility.
7. Excellent protection to the gears and bearings even under the most extreme thermally stressed operating conditions.
8. Less wear to the gears, bearings and seals.

Blended into these Para-Synthetic Base Fluids is a highly specialized non-corrosive thermally stable and thermally durable multi-functional Extreme Pressure additive package. Moly Synthetic Gear Box Oil's Para-Synthetic Base Oils and the thermally stable and the thermally durable multifunctional Extreme Pressure additive package enable the Supreme Gear Lube to resist oxidation and thermal stress at operating temperatures 150°F to 175°F higher than conventional gear lubricants.

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## TYPICAL SPECIFICATIONS:

<b>SAE Grade</b>	<b>140</b>	<b>-----</b>	<b>250</b>
<b>ISO Grade</b>	<b>460</b>	<b>680</b>	<b>1000</b>
AGMA Grade	7EP	8EP	8EP
Specific Gravity @ 60F/15C	.905	.9006	.8984
Viscosity SUS @ 100F/38C (ASTM D-445)	2223-2623	3316-3896	4952-5334
Viscosity cSt @ 40C (ASTM D-445)	415-490	620-730	905-989
Viscosity cSt @ 100C (ASTM D-445)	28-33	32-49	42-56
Viscosity Index (ASTM D-2270)	98	98	98
Flash Point F/C (ASTM D-92)	470/243	525/274	540/282
Fire Point F/C (ASTM D-92)	510/266	570/299	280/293
Pour Point F/C (ASTM D-97)	10/-12	25/-4	30/-1
Rust Test (ASTM D-665) Procedure A (Distilled Water) Procedure B (Salt Water)	Pass Pass	Pass Pass	Pass Pass
Copper Strip Corrosion Test (ASTM D-130)	1a	1a	1a
Four Ball EP Test (ASTM D-2783)			
Weld Point, kgs.	400	400	400
Load Wear Index	67	67.5	67.5
Four Ball Wear Test (ASTM D-4172)			
Scar Diameter, mm	0.28	0.28	0.28
Timken EP Test (ASTM D-2782)			
OK Load, lbs.	70	70	70
Failure Load, lbs.	75	75	75