

PETRONAS GEAR SYN PG Series

Synthetic Gear & Bearing Oil

GEAR SYN PG series products are fully formulated synthetic gear and bearing lubricants based on a unique co-polymer of polyalkylene glycols. The many advantages include thermal stability, low ash content, high viscosity index, shear stability, low solubility with many hydrocarbons and excellent lubricity.

GEAR SYN PG Series products are insoluble with water, and are fortified with antiwear additives, rust and oxidation inhibitors.

Applications

- For long term lubrication of all gear drives and oil-lubricated bearings operate at high ambient temperature
- Lubrication of worm gear reducer
- Lubrication for “bronze-on-steel” gears & bearings

Packaging

- 18 Liters pails, and 209 Liters drums

Customer Benefits

- GEAR SYN PG Series products can often extend tooth life in gears by decreasing or eliminating spalling and reducing pitting and wear. This is particularly true in the case of bronze-on-steel gearing surfaces.

Compatibility

Seals: **GEAR SYN PG Series** may be used with all common seal materials except leather.

Paints: High quality epoxy or red lead based paints should be used, as the synthetic base-stock tends to soften certain paints.

Flush: When changing over from a conventional mineral oil or grease, care should be taken to minimize contamination by decomposition products from the previous lubricant. Flush with a light mineral oil followed by a light petroleum solvent rinse and air dry.

Typical Properties

Characteristics	Grade			
	PG150	PG220	PG320	PG460
Viscosity, cSt				
@40°C	147	230	338	400
@100°C	24.5	35.8	53.4	80.0
Viscosity Index	200	205	225	279
Pour Point, °C	-35	-32	-32	-32
Flash Point , C.O.C., °C	277	293	295	297
Copper Corrosion (24 hrs@100°C)	1a	1a	1a	1a
Density @15.6°C, Kg/L	1.01	1.03	1.03	1.04

Customer Advice

For further assistance on product MSDS, recommendation or technical queries, please liaise with the regional technical services engineer or contact HQ technical engineers.