

PETRONAS GEAR SYN IG SERIES

Synthetic Gear & Bearing Oil

GEAR SYN IG Series are synthetic hydrocarbon based (PAO) gear and bearing lubricants formulated with the latest additive technology.

They are fully compatible with petroleum based oils while offering outstanding oxidation stability, excellent wear and rust protection, high viscosity index, high flash point, low pour point, low foaming tendency and cleaner running systems.

Applications

- Impregnating fluid for powdered metal bearings (white metal sleeve bearings), parts, and wicks
- Enclosed Gears
- Measuring and dispensing pumps and meters
- Anti-friction bearings
- General-purpose medium viscosity lubricating oil

Customer Benefits

- Excellent oxidation resistance
- Rust inhibited
- Reduces friction for low-wear rates
- Extreme pressure performance
- Wide operating temperature range up to 230°C
- Excellent corrosion protection
- Plastics compatibility

Compatibility

No special precautions related to compatibility are required when changing over from a mineral oil lubricant to Petronas synthetic hydrocarbon based lubricant.

Packaging

- 18 Liters pails, and 209 Liters drums

Typical Properties

Characteristics	Grade				
	IG-32	IG-46	IG-68	IG-100	IG-150
SAE Grade	10W	20	30	30	40
Viscosity, cSt					
@40°C	30.4	43.3	64.3	95.9	152
@100°C	5.8	7.8	10.1	13.5	20
Viscosity Index	136	151	144	142	154
Pour Point (max.), °C	-57	-54	-51	-43	-43
Flash Point (min.), °C	232	235	243	251	249
Evaporation, 22 hrs @99°C, % loss	<1	<1	<1	<1	<1
Copper Corrosion (24 hrs@100°C)	1a	1a	1a	1a	1a
4-Ball Wear Scar, (1200 rpm, 40 kg, 75° C, 1 hr), mm	0.8	0.7	0.8	0.6	0.6
4-Ball EP, Weld Point, Kg	100	100	100	100	100

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.