

PETRONAS GEAR SYN IG SERIES

Synthetic Gear & Bearing Oil (ISO VG 220 – 1000)

GEAR SYN IG Series are fully 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
- Heavy loaded Gears and bearings operating at high temperature
- Anti-friction bearings
- General-purpose high viscosity lubricating oil

Compatibility

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

Customer Benefits

- Excellent oxidation resistance
- Excellent water separation
- Reduces friction and wear
- Wide operating temperature range up to 110°C
- Excellent corrosion protection
- Plastics compatibility

Packaging

- 18 Liters pail, and 209 Liters drum

Typical Properties

Characteristics	Grade				
	IG-220	IG-320	IG-460	IG-680	IG-1000
AGMA No.	5	6	7	8	8A
Viscosity, cSt @40°C	218	319	470	680	1026
@100°C	26	35	47	64	92
Viscosity Index	156	156	158	165	144
Pour Point (max.), °C	-43	-43	-40	-40	-40
Flash Point (min.), °C	260	240	248	242	232
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	0.35	0.35	0.35	0.35	0.35
4-Ball EP, Weld Point, Kg	210	210	210	210	210

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.