

PETRONAS GEAR MEP IND



High Performance Heavy Duty Industrial Gear Oil

Petronas Gear MEP IND series is a high performance industrial gear oil specially developed for various types of enclosed industrial gears operating under normal to heavy duty conditions. Formulated with high quality selected base oils and enhanced with advanced extreme pressure, anti-wear and anti-rust additives.

Applications

- Various types of enclosed gears (spur/helical/bevel/planetary) with circulation or splash lubrication system operating under normal to heavy duty conditions.
- Industrial type reduction gearboxes on mining equipment, cement mill, crushers and conveyor.
- Non-gear application includes shaft couplings and heavily loaded plain bearings operating at slow speed.
- Appropriate viscosity grades (VG) based product as per the application, equipment and/or OEM recommendation should be selected from the 'Typical Properties' table below.

Features and Benefits

- Excellent extreme pressure performance giving long gear life in severely loaded gear drives.
- Protects equipment components from excessive wear and provide longer equipment life.
- Superior thermal and oxidation stability to resist oil degradation and thickening for longer oil service life.
- Compatible with most metal alloys ensuring trouble free performance of the system.

Typical Properties

Characteristics	Test Method	Units	Viscosity Grade (VG)			
			68	100	150	220
Appearance	Visual	-	C&B	C&B	C&B	C&B
Density @ 29.5 °C	ASTM D 4052	kg/L	0.880	0.880	0.880	0.883
Kinematic Viscosity @ 40°C	ASTM D 445	cSt	68	100	150	220
Viscosity Index	ASTM D 2270	-	97	97	97	97
Flash Point	ASTM D 92	°C	230	236	245	245
Pour Point	ASTM D 97	°C	-15	-18	-18	-18

Characteristics	Test Method	Units	Viscosity Grade (VG)			
			320	460	680	1000
Appearance	Visual	-	C&B	C&B	C&B	C&B
Density @ 29.5 °C	ASTM D 4052	kg/L	0.888	0.89	0.89	0.89
Kinematic Viscosity @ 40°C	ASTM D 445	cSt	320	460	680	1000
Viscosity Index	ASTM D 2270	-	95	97	125	145
Flash Point	ASTM D 92	°C	240	250	240	250
Pour Point	ASTM D 97	°C	-18	-15	-12	-15



Health, Safety and Environment

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

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Rev no. 01, Date: 06.09.18