

Industrial Gear Oil

Descriptions

- PTT GEAR OIL EP 68, 100, 150, 220, 320, 460, 680 : are extreme pressure (EP) industrial gear oils, produced from high quality paraffinic base oil which exhibits high performance and long service life. PTT Gear Oil EP 68, 100, 150, 220, 320, 460, 680 contain selected lead-free extreme pressure and anti-oxidation additives.

Special Properties

- Be able to use at high pressure, provide anti-wear and anti-corrosion properties.
 - Prevent from oxidation reaction which can be used at high temperature.

Applications

- Used for lubrication of industrial gear drives in general and high load gear systems.
 - Suitable for both circulating and splash lubricating systems.

Reference Standards

- AGMA 9005-E02 EP	- US STEEL 224
- DIN 51517 Part 3 (CLP)	- David Brown S1.53.101
- ISO 12925-1 CKC/CKD	- GM LS-2
- Cincinnati Machine (Gear C Series)	

Typical Values

	68	100	150	220	320	460	680
- Density @ 15°C, kg/dm ³	0.885	0.889	0.898	0.902	0.904	0.906	0.91
- Viscosity @ 40 °C, cSt	68.98	99.55	153.0	234.7	331.6	455.2	688.2
- Viscosity @ 100 °C, cSt	8.9	11.4	15.20	19.57	24.67	30.69	39.49
- Viscosity Index	102	101	100	96	96	96	95
- Flash Point, °C	218	224	226	235	239	242	266
- Pour Point, °C	-12	-12	-12	-12	-12	-12	-12
- Foaming Characteristics							
Sequence I, (ml/ml)	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Sequence II, (ml/ml)	0/0	0/0	0/0	0/0	0/0	0/0	Nil/0
Sequence III, (ml/ml)	0/0	0/0	0/0	0/0	0/0	0/0	0/0
- FZG Test, Stage	12	12	12	12	12	12	12
- Four-Ball Weld Load, kg	250	250	250	250	250	250	250