

POWEROIL GEAR SP

PREMIUM GEAR LUBRICANTS FOR ENCLOSED INDUSTRIAL GEAR DRIVES

POWEROIL GEAR SP oils are extreme pressure type industrial gear oils formulated using highly refined mineral oils and fortified sulphur phosphorous type additive package, which impart excellent anti-wear and extreme pressure characteristics. They have excellent thermal and oxidation stability, good demulsibility and de-foaming properties.

PERFORMANCE STANDARDS:

BIS: 8406-1993 (Reaffirmed 2016)

IPSS: 1-09-003

AGMA Standard 250-04/ 9005 – D94

ASLE Standard G-315, G-1000, G-1500 and G-2150

US Steel requirement No. 222 and 224

Cincinnati Milacron, USA Specification No. P-63, P-77 P-74, P-76, P-59 & P-35

CHARACTERISTICS	POWEROIL GEAR SP						
	68	100	150	220	320	460	680
ISO VG	68	100	150	220	320	460	680
Colour (ASTM)	3.0	3.0	3.5	4.0	5.0	6.0	8.0
Kinematic Viscosity. @ 40° C, cSt	68	100	150	220	320	460	680
Viscosity index, Min.	95	95	95	95	95	90	90
Flash point, COC, °C, Min.	200	200	200	220	230	232	245
Pour Point, °C, Max.	-6	-6	-6	-6	-3	-3	-3
Rust test (D-665)	Pass	Pass	Pass	Pass	Pass	Pass	Pass
FZG gear Fail load Stage	12	12	12	12	12	12	12

The above properties are typical values and do not constitute specification of the product

APPLICATION:

- Recommended for lubrication of heavy duty enclosed gear drives with circulation or splash lubrication systems operating under heavy or shock loading up to operating temperature of 110 °C.
- Recommended for systems, with plain and roller bearings, sliding surfaces, chain drives, sprockets, flexible coupling employing splash, circulation or spray lubrication systems, requiring oil to withstand extreme pressures.
- Not suitable for lubrication of gear systems with brass, bronze and white metal components.

PERFORMANCE BENEFITS:

- Outstanding extreme pressure properties
- Good demulsibility properties and excellent water protection
- Good de-foaming qualities
- Long service life
- Minimize sludge and deposit formation