

POWEROIL GEAR SP

PREMIUM HIGH DUTY EP INDUSTRIAL GEAR LUBRICANTS FOR ENCLOSED GEAR DRIVES

POWEROIL GEAR SP RANGES are Industrial gear oils formulated with highly refined Mineral Base and fortified Sulphur phosphorous additive package, which impart excellent anti-wear and extreme pressure characteristics. POWEROIL GEAR SP have excellent thermal and oxidation stability, Good Demulsibility, de-foaming and air release properties. POWEROIL GEAR SP provide outstanding extreme pressure characteristics (EP/AW) and an extremely high load carrying capacity for different industrial gear application

Benefits

- Outstanding extreme pressure properties - Excellent corrosion protection
- Good demulsifying properties - Good de-foaming qualities
- Minimize sludge and deposit formation - Excellent protection from scuffing & wear
- Bearing wear protection - Extremely high load-carrying capacity

Applications

- POWEROIL GEAR SP 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, and circulation or spray lubrication systems, requiring oil to withstand extreme pressures.
- POWEROIL GEAR SP oils can be used for all applications where lubricants of the CLP type according to DIN 51517-3 are recommended by the gear manufacturer.
- Not suitable for lubrication of gear systems with brass, bronze and white metal components.

Performance Standards and Specifications

- DIN 51517-3: CLP
- ISO 6743-6 and ISO 12925-1: CKC / CKD
- 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
- Meets Siemens Flender
- David Brown S1

Typical Characteristics

CHARACTERISTICS	POWEROIL GEAR SP						
ISO VG Grade	68	100	150	220	320	460	680
Colour	3.0	3.0	3.5	4.0	5.0	6.0	8.0
Kinematic Viscosity. @ 100° C, cSt DIN EN ISO 3104	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

Note: Always consult your original equipment manufacturers (OEM) recommendations.