

POWEROIL GEAR SPX OILS

POWEROIL GEAR SPX oils are manufactured from highly refined base stock and special additive package to provide optimum gear teeth life under extreme pressure load condition and temperature. The special additive package takes care of highly compact gear reducers subject to micro-pitting damages because of it's high power requirement.

Poweroil Gear SPX oils have superior performance characteristics against conventional gear oils and are suitable for systems requiring high levels of resistance to oxidation and load capacity.

PERFORMANCE STANDARDS:

ISO-L-CKD

ISO 12925-1 – CKD

ANSI/AGMA 9005-D94 (AGMA 3EP, 4EP, 5EP, 6EP, 7EP)

DIN 51517 teil 3 – CLP

U.S. STEEL 224

CHARACTERISTICS	POWEROIL GEAR SPX	
	220	320
ISO VG Grade	220	320
Density at 15° C gm/cc	0.893	0.89
Viscosity @ 40°C cst	225	330
Viscosity @ 100°C cst	19	25
Viscosity Index, min	97	97
Flash Point COC °C, min	220	230
Pour Point °C, min	-9	-8
Copper Corrosion , 3 hrs @100°C	1A	1A
Rust Method A	Passes	Passes
FAG FE-8 Roller Wear. Mg	2	3
FZG A/8.3/90	12 th Pass	12 th Pass
FZG A/16.6/90	12 th Pass	12 th Pass
Micro Pitting test	GF>10	GF>10

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

APPLICATION:

POWEROIL GEAR SPX oils are recommended for splash or circulation lubrication of all types of enclosed gears, especially where operating conditions involve heavy loads, high speeds and high relative sliding velocities, at elevated ambient and operating temperatures in industrial and marine applications. They can also be used to lubricate other heavily loaded parts and components such as couplings, transmission screws and low speed plain and rolling bearings. As indicated, they can be used, too, in oil-mist lubrication systems.

PERFORMANCE BENEFITS:

- Excellent Thermal and Oxidation stability ensuring continuous usage at high temperature of 120°C.
- Excellent anti-rust characteristics against steel, copper and bronze material
- Excellent demulsibility property making it effective in water environment.
- Low foaming tendency making it effective for uninterrupted power failure.