



### POWER GEAR SP PREMIUM ENCLOSED GEAR BOX OILS

**POWER GEAR SP** oils are extreme pressure type industrial gear oils formulated from high quality mineral oils with carefully chosen sulphur phosphorous type additive package, which imparts excellent anti-wear and extreme pressure characteristics. They have excellent thermal and oxidation stability, good demulsibility and de-foaming properties.

**PERFORMANCE STANDARDS:**      BIS: 8406-1985 (Reaffirmed 1993)  
                                                  IPSS: 1-09-003  
                                                  AGMA Standard 250-04  
                                                  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 and P-35

CHARACTERISTICS	POWER GEAR SP					
	68	100	150	220	320	460
ISO VG	68	100	150	220	320	460
Colour (ASTM)	3.0	3.0	3.0	4.0	5.0	6.0
Kinematic Viscosity. @ 40° C, cSt	64-72	95-105	145-155	210-230	320-350	420-500
Viscosity index, min	95	95	95	95	95	90
Flash point, COC, °C, min.	200	200	200	230	232	232
Pour Point, °C, max.	-6	-6	-6	-6	-3	-3
Rust test (D-665)	Pass	Pass	Pass	Pass	Pass	Pass

#### 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:

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

(Version # 1 April 14<sup>th</sup> 2008)

Disclaimer: APAR makes no warranties, representation or conditions of any kind expressed or implied for use with respect to these products. Final determination of suitability of the products for the application contemplated by the user is solely their responsibility.