



Technical Data Sheet

- Reliable Protection
- Industrial Applications

INDUSTRIAL GEAR OIL 68, 100, 150, 220, 320, 460, 680

Industrial Gear Oil

ISO VG 68, 100, 150, 220, 320, 460, 680

UPSOL INDUSTRIAL GEAR OIL Series are high quality lead free extreme pressure gear oil blended from high viscosity index base oil and Sulphur phosphorus extreme pressure additives.

TYPICAL CHARACTERISTICS					
PROPERTIES	METHOD	IGO 68	IGO 100	IGO 150	IGO 220
ISO Viscosity Grade		68	100	150	220
Density at 15°C, kg/l	ASTM D - 4052	0.8830	0.8870	0.8896	0.8933
Kinematic Viscosity at 40°C, cSt	ASTM D - 445	66.61	99.07	143.70	213.70
		8.19	11.16	14.47	18.63
Viscosity Index	ASTM D - 2270	109	98	99	97
Flash Point, °C	ASTM D - 92	237	248	250	258
Pour Point, °C	ASTM D - 5950	-15	-15	-15	-15

PROPERTIES	METHOD	IGO 320	IGO 460	IGO 680
ISO Viscosity Grade		320	460	680
Density at 15°C, kg/l	ASTM D - 4052	0.8959	0.9015	0.9122
Kinematic Viscosity at 40°C, cSt	ASTM D - 445	293.0	461.1	667.80
		23.5	30.74	37.32
Viscosity Index	ASTM D - 2270	100	96	91
Flash Point, °C	ASTM D - 92	260	268	249
Pour Point, °C	ASTM D - 5950	-15	-15	-6

APPLICATIONS

UPSOL INDUSTRIAL GEAR OIL Series is suitable for lubricating of enclosed industrial gear sets which operates on normal through heavy load and require unleaded extreme pressure gear oil. MASRI RG series is suitable for circulating, spray or oil mist application.

PERFORMANCE LEVELS

UPSOL INDUSTRIAL GEAR OIL Series meets the specification of AGMA 9005-EO2, AIST 224, David Brown S 1.53.101, and DIN 51517 part 3.

