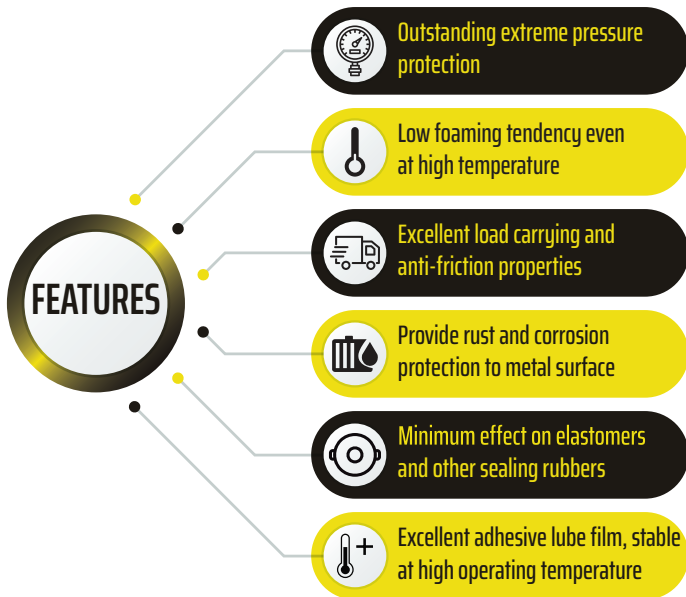




SHIELD - INDUSTRIAL GEAR OILS

DESCRIPTION

Shield's Industrial Gear Oils are extreme pressure type of industrial gear oils, which contain sulphur -phosphorous compounds. These oils are blended from premium virgin base oils and carefully treated with extreme pressure additives.



PERFORMANCE LEVELS:

- U.S. Steel Spec 224
- AGMA Spec 250.04
- Cincinnati Milacron P-35, P-59, P-63, P-77

APPLICATIONS:

Shield's Industrial Gear Oils are recommended for all heavy duty enclosed gear drives with circulation or shock load condition for up to a temperature 100°C. These oils can be used for plain and roller bearings, sliding surfaces, chain drives, sprockets, flexible employing splash, circulation or spray lubrication systems requiring extreme pressure type oils.

TYPICAL PHYSICAL PROPERTIES

SL#	Characteristics Unit	Test Method	ISO Grades								
			46	68	100	150	220	320	460	680	1000
1	Viscosity @ 40°C	ASTM D 445	46	68	100	150	220	320	460	680	1000
2	Viscosity @ 100°C	ASTM D 445	6.8	8.73	11.26	14.72	19	24.1	30.6	61.09	65
3	Viscosity Index	ASTM D 2270	101	100	98	97	97	96	96	98	127
4	Flash Point COC, °C	ASTM D 92	230	230	240	240	240	240	248	250	260
5	Pour Point COC, °C	ASTM D 97	-15	-15	-12	-9	-9	-9	-9	-9	-9
6	Color	ASTM D 1500	L1.0	L1.0	L1.5	L1.5	L2.0	L2.0	L2.0	L2.5	L2.5
7	Appearance	ASTM D 4176	C & B	C & B	C & B	C & B	C & B	C & B	C & B	C & B	C & B

* Exact specifications may slightly vary from the above, but within the international standards