



Industrial EP Gear Compounds

Industrial EP Gear Compounds provide a complete range of products designed for extra duty service in a wide variety of industrial applications where extreme pressure conditions prevail.

These lubricants are made from high quality, solvent-refined base stocks. Selected additives, essentially ashless and containing no metallic components assure improved extreme pressure properties and provide particularly effective anti-wear characteristics under all service conditions. Industrial EP Gear Compounds are completely lead-free and do not contain sulfurized sperm oil.

These products contain a mist control additive providing for mist oil application with good delivery of the oil and control of the stray mist.

Industrial EP Gear Compounds have a high viscosity index, improved demulsibility, excellent solution stability and thermal stability properties. They also provide excellent resistance to oxidation and provide non-foaming and non-corrosive characteristics. Industrial EP Gear Compounds have been U.S.D.A. approved for use in closed lube systems in food processing plants.

Features/Benefits:

- **Exceptional EP protection and film strength**
- **Rust and Corrosion protection**
- **Demulsifies for water separation**
- **Seal protection against swelling, hardening and cracking**
- **Superior oxidation and thermal stability**
- **Outstanding resistance to foam**

Additional Information on Reverse



Industrial EP Gear Compounds

Applications/Specifications:

Industrial EP Gear Compounds are especially effective in the lubrication of worm gears, as well as spiral bevel, helical, spur and herringbone gears. They are particularly intended for use in multiple gear drives that operate at greatly increased pressure between the surface of the gear teeth or where severe shock or overloads are encountered.

Industrial EP Gear Compounds Meets or Exceeds the performance requirements of:

- Cincinnati Machine P-77 (ISO 150)
- Cincinnati Machine P-59 (ISO 320)
- U.S. Steel 224 (ISO 150, 220 & 320)
- Cincinnati Machine P-74 (ISO 220)
- Cincinnati Machine P-35 (ISO 460)

Typical Physical Specifications:							
ISO Grade	68	100	150	220	320	460	680
AGMA No.	2EP	3EP	4EP	5EP	6EP	7EP	8EP
API Gravity @ 60° F	28.5	27.5	27	26.5	26.1	24.1	22.5
Viscosity Index	95	95	100	95	95	95	90
Viscosity:							
cSt @ 100° C	8.5	11	14.5	18.7	24	30.4	39
cSt @ 40° C	68	100	150	220	320	460	680
SUS @ 210° F	54	63	76	93	116	144	183
SUS @ 100° F	315	463	695	1019	1482	2131	3150
Pour Point, °C (°F)	-30 (-22)	-25 (-13)	-20 (-5)	-18 (0)	-15 (5)	-10 (15)	-5 (20)
Flash Point, °C (°F)	200 (395)	205 (400)	210 (410)	215 (420)	220 (430)	230 (445)	235 (455)
Color, ASTM	L2.5	2.5	L3.0	3	L3.5	3.5	3
Weld Load, Kg	250	315	315	315	315	315	315
Wear Scar, mm, 40kg @ 1200 rmp	0.25	0.25	0.28	0.28	0.28	0.28	0.28
Timken OK Load, lbs	60	60	60	60	60	60	60
FZG Gear Test, Pass Stage	12	12	12	12	12	12	12
Copper Strip Corrosion, 3hrs. @ 100° C	1a	1a	1a	1a	1a	1a	1a