



EP Industrial Gear Oil

ISO 68 — 460

DESCRIPTION

EP Industrial Gear Oils are high-performance lubricants formulated from premium mineral base oils combined with sulfur-phosphorus extreme pressure (EP) additives. These oils provide excellent load-carrying capability, wear protection, and resistance to oxidation and thermal degradation in industrial gear systems. They are designed for enclosed gear drives operating under heavy loads, shock loading, and severe service conditions.

APPLICATIONS

- ◆ Enclosed industrial gear drives (spur, helical, bevel, herringbone)
- ◆ Gearboxes in steel mills, mining, cement, and power generation
- ◆ Circulating, splash, bath, and spray lubrication systems
- ◆ Bearings and general industrial lubrication where EP performance is required

BENEFITS

- ◆ Extreme Pressure Protection – Prevents metal-to-metal contact under high load
- ◆ Excellent Wear Control – Extends gear and bearing life
- ◆ Thermal & Oxidation Stability – Resists sludge and varnish formation
- ◆ Water Demulsibility – Rapid water separation
- ◆ Corrosion Protection – Protects ferrous and non-ferrous metals
- ◆ Foam Resistance – Maintains consistent film strength
- ◆ Seal Compatibility – Minimizes leaks and degradation

EXCEEDS REQUIREMENTS

- ◆ AGMA 9005-D94
- ◆ U.S. STEEL 224
- ◆ Cincinatti Milacron
- ◆ Clean Panel Coker
- ◆ S-200 Oxidation Tubes

TYPICAL PROPERTIES

TEST PARAMETER	METHOD	ISO68	ISO100	ISO150	ISO220	ISO320	ISO460
Density @ 15 °C, lbs/gal	ASTM D4052	0.860	0.865	0.867	0.871	0.872	0.874
Kinematic Visc. @ 40 °C, cSt	ASTM D7042	69.1	103	148	226	316	451
Kinematic Visc. @ 100 °C, cSt	ASTM D7042	9.3	12.7	16.2	22.2	27.4	35.8
Viscosity Index	ASTM D2270	112	118	115	119	116	120
Flash Point, °C (°F)	ASTM D93	230 (412)	230 (412)	230 (412)	230 (412)	240 (446)	240 (464)
Pour Point, °C (°F)	ASTM D97	-18 (-22)	-18 (-22)	-18 (-22)	-18 (-22)	-13 (9)	-13 (9)

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