

**Product Data Sheet**

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**DESCRIPTION**

Pro Performance Industrial EP Gear Oils are heavy duty EP (extreme pressure) gear lubricants (GL-4) formulated for use in industrial gear sets, bearings, circulating systems and gear reducers. They protect gears and bearings by providing excellent load carrying capability, water demulsibility, oxidation stability and corrosion resistance.

Pro Performance Industrial EP Gear Oils contain a legacy sulphur-phosphorus additive system that provides outstanding EP properties as well as rust and oxidation inhibition. An additional corrosion and oxidation inhibitor and metal passivator are included to ensure maximum protection of contacting parts.

Designed primarily for use in stationary industrial gear lubrication, the robust additive system also provides adequate wear protection in industrial mobile equipment operating under high loading and shock loading conditions. The reduction in the coefficient of friction may allow for extended service operation under normal operating conditions if an oil monitoring program is in place.

**Performance Benefits:**

- Excellent thermal & oxidative stability - Helps extend oil life and drain intervals and reduce oil consumption, which can lower maintenance costs
- Excellent load carrying ability - for use in severe service applications as measured by FZG and Timken OK
- Excellent extreme pressure performance - minimizes scuffing and micropitting extending service life
- Excellent water separation - excellent demulsability even in the presence of salt water
- Excellent sludge prevention - oxidative stability eliminates sludge buildup
- Available in wide range of ISO grades to match most applications

**Recommended Applications:**

- Enclosed gear sets calling for EP Gear Oil
- Open gear drives (heavy grades only)
- Gear sets with spur, bevel, spur bevel, spiral bevel or herringbone gears
- Plain and anti-friction bearings, chain drives, sprockets
- Manual transmissions and gear reducers calling for EP Gear Oil
- Bath, splash, circulating or mist systems

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**Recommendations:**

*API GL-4*

*DIN 51517-3*

*SAE J2360*

*US Steel 224 Gear Oils*

*AGMA EP Gear Oils 2EP, 3EP, 4EP, 5EP, 6EP, 7EP, 8EP*

*MAG Cincinnati, Cincinnati Machine P-63 (ISO 68), P-76 (ISO 100), P-77 (ISO 150), P-74 (ISO 220), P-59 (ISO 320), P-35 (ISO 460)*

*MIL 2105*

*David Brown Table E (ISO 68 to 680)*

**Typical Characteristics**

<b>ISO Grade</b>	<b>68</b>	<b>100</b>	<b>150</b>	<b>220</b>	<b>320</b>	<b>460</b>	<b>680</b>
AGMA Number	2EP	3EP	5EP	5EP	6EP	7EP	8EP
Viscosity, cSt @ 40 C	68	100	150	218	316	456	676
Viscosity, cSt @ 100C	8.6	11.3	14.8	19	24.3	30.7	45.6
Viscosity Index	98	98	98	98	98	98	115
Flash Point, C	258	260	261	265	269	272	276
Pour Point, C	-25	-23	-20	-17	-14	-12	-9
Specific Gravity @ 60 F	0.886	0.890	0.892	0.893	0.895	0.896	0.899
Timken	65	65	65	65	65	65	65
Copper Corrosion	1b	1b	1b	1b	1b	1b	1b