

CPI Fluid Engineering

Industrial Gear Oil



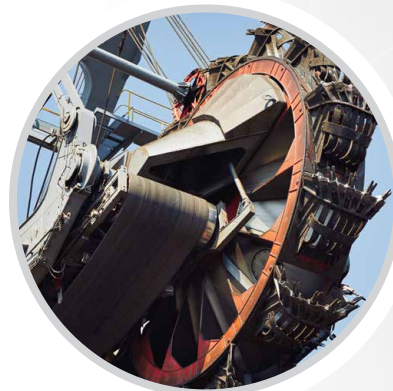
Your Industrial Equipment is More Demanding Than Ever

Higher operating loads and pressures allow the smaller gearboxes of today to generate more unit power than ever before. These extreme operating conditions create a high stress environment for the lubricant, making your equipment more susceptible to accelerated gear wear, reduced bearing life, and increased varnish – conditions that can severely impact your machine's reliability and durability.

CPI delivers with a comprehensive line of industrial gear oils allowing your equipment to perform in today's toughest environments. From semi-synthetic base fluids to polyalphaolefin (PAO) synthetics, our product portfolio is flexible enough to meet all of your industrial and food processing needs.

Our products are specially formulated to provide maximum protection to gears, bearings, and other ferrous and non-ferrous based components. Industrial gear oils from CPI optimize performance, prolong oil life, and improve the efficiency of your equipment. This is why CPI's portfolio of industrial gear oils is found in a variety of high-performance applications from power plants to food processing and manufacturing plants. In addition to providing outstanding load-carrying properties under a wide range of operating conditions, including extreme pressure, industrial gear oils from CPI also deliver:

- Advanced resistance to micropitting
- Lubricity enhancement
- Outstanding rust and yellow-metal corrosion protection
- Excellent oxidation and thermal stability
- Long lasting viscosity
- Antifoam capability
- Moisture resistance
- Low volatility



Lubricants for Industrial Gears

CPI's portfolio of industrial gear oils offers a broad range of viscosity and base oil options to meet the needs of your application and ensure the long-term performance of your equipment. We offer products for most gear geometries including spur, helical, planetary, bevel, and worm gears.

Product	Viscosity Range	NSF H1 Registered	Base Oil	Description/Recommended Applications
CPI®-FMO	22-680*	✓	WMO	Lubricants formulated with food-grade technical white mineral oil and antiwear protection. Recommended for use in integrally gear driven compressors, bull gear applications, and other gear applications requiring incidental food contact fluids.
CPI®-9017	100-460		HTMO	Balanced sulfur-phosphorus mineral oil based gear oils designed for use in low-load, high speed industrial gearing systems. Recommended for use in integrally gear driven compressors and bull gear applications.
CPI®-9050	150-1000		HTMO	High-performance hydrotreated, isodewaxed mineral oil based lubricants with EP protection for use in demanding applications. Meets gear oil specifications DIN 51517 Part III, US 224, and AGMA.
CPI®-4617-F	68-460	✓	PAO	Synthetic PAO based lubricants optimized for use in low-load, high speed industrial gearing systems. Recommended for use in integrally gear driven compressors, bull gear applications, and other gear applications requiring incidental food contact fluids.
CPI®-4620	150-680		PAO	PAO based sulfur-free gear oils specially formulated for worm gears and other gear systems requiring advanced yellow metal protection and outstanding EP performance.
CPI®-4639	100-320		PAO	Synthetic PAO based gear oils designed with micro-pitting resistance. Recommended for use in simple gear geometries such as spur and helical gears, as well as in complex planetary and bevel gears where Flender approval is not required.
CPI®-4650	220-680		PAO	Thermally stable PAO based lubricants with high EP protection for use in demanding applications where advanced cleanliness and wear control are required. Meets gear oil specifications DIN 51517 Part III, US 224, and AGMA.

* Entire viscosity range not currently commercially available but may be available upon request.

Delivering optimum performance to industrial gears is just the start at CPI. We have developed a deep understanding of OEM requirements through real-world experience in a variety of applications. This allows our engineering team to develop customized solutions for all your equipment needs. Our advanced lubricant analysis and rapid-cycle performance testing programs complement our product portfolio, making our attention to the customer unparalleled in the industry. Furthermore, CPI has multiple packaging options, private labeling, oil condition monitoring programs and logistics solutions, globally. Through this comprehensive approach to performance fluid solutions, we strive to exceed your specific needs at CPI.

Who is CPI?

CPI Fluid Engineering is a division of The Lubrizol Corporation. The Lubrizol Corporation, a Berkshire Hathaway company, is an innovative specialty chemical company that produces and supplies technologies to customers in the global transportation, industrial and consumer markets.

CPI Fluid Engineering is a world leader in synthetic lubricants for compressors and specialty industrial applications. Our formulation and technical application expertise, combined with our flexibility and responsiveness, enhance the quality and value of our customers' products. CPI delivers fluid performance, technology support and customer service to meet customer needs.

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