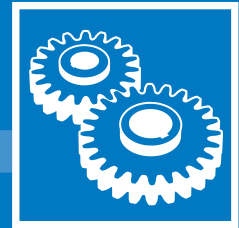


# CPI®-9050 Series

## Premium Mineral-Based Industrial Gear Oil



### Description

The **CPI®-9050** Series of industrial gear oils is a premium mainline lubricant, formulated to meet the challenges of today's industrial equipment. Formulated with only high-quality hydrotreated paraffinic base oils and a robust additive package, CPI®-9050 is completely optimized for spur, helical, & spiral-bevel enclosed gear systems operating under different sliding speeds and loading conditions. A complex extreme-pressure (EP)/anti-wear (AW) system is at the centre of CPI®-9050, delivering ultimate boundary lubrication performance to both gears and bearings across all viscosity grades. Outstanding water-separation properties of CPI®-9050 delivers peak performance in high-moisture environments while delivering superior cleanliness and outstanding resistance to foam. With CPI®-9050, overall fluid life is extended with minimal equipment downtime which is a key lubricant selection criteria.

The **CPI®-9050** Series is available across a wide range of viscosity grades from ISO VG 220 to 1000, delivering a complete product line for all sliding speeds, loads and operating temperatures.

### Applications

- Enclosed gearboxes operating under high temperatures and loading conditions
- Industrial gear systems where high moisture environments are present

### Industrial Gear Oil Specifications

CPI®-9050 Series will meet or exceed the performance requirements of:

- US Steel 224
- AGMA 9005-E02
- DIN 51517-3
- ISO 12925-1 CKC/CKD
- David Brown S1.53.101
- MAG IAS Machine Gear
- GM LS 2 EP Gear Oil

### Features and Benefits

#### **EP performance**

#### **Excellent demulsibility**

#### **Foam control**

#### **Thermal and oxidative stability**

#### **Corrosion resistance profile**

Superior anti-seizure performance across all viscosity grades

Optimum water separation at different temperatures

Sufficient oil flow and lubricant film to moving parts

Minimizes deposit formation for cleaner gears

Compatible with gear components of all metal-types

## Typical Physical and Chemical Properties of CPI®-9050 Series

CPI®-9050	ASTM Test Method	220	320	460	680	1000
Density @ 20°C, g/mL	D4052	0.883	0.885	0.887	0.889	0.891
Kinematic Viscosity, cSt	D445					
40°C		222	320	463	678	981
100°C		20.8	26.8	34.4	45.1	58.6
Viscosity Index	D2270	110	111	111	113	115
Pour Point, °C	D97	-20	-22	-23	-23	-25
Flash Point, °C	D92	249	249	249	249	249
Foam, mL	D892					
Seq. I		0/0	0/0	0/0	0/0	0/0
Seq. II		20/0	0/0	0/0	0/0	0/0
Seq. III		0/0	0/0	0/0	0/0	0/0
Demulsibility, min.	D1401	15	20	20	60	60
Rust Prevention	D665					
Dist. Water		Pass	Pass	Pass	Pass	Pass
Synth. Sea Water		Pass	Pass	Pass	Pass	Pass
Copper Corrosion	D130	1B	1B	1B	1B	1B
4-Ball EP	D2783	250	250	250	250	250

**This product is also available in other viscosities and in a variety of packages. Additional test data is available on request. Please contact CPI for more information.**

CPI is a world leader in the synthetic lubricants industry with operations in North America, Europe, Africa and Asia Pacific regions.

In addition to our CPI®-9050 lubricants, we also offer a comprehensive range of Industrial Lubricants for Process gas, Hydrocarbon gas, Air Compressors, Vacuum Pumps, Hydraulics, Gears, Chains, Turbine, Landfill Gas, Field Gas, Chemical Process and many NSF H1 & H2 Food Grade applications.

We also offer lubricants for any refrigeration application including HFC, HCFC and HFO refrigerants, domestic and automotive air conditioning, commercial and industrial refrigeration and low Global Warming Potential (GWP) refrigerants such as Carbon Dioxide, other Hydrocarbons and Ammonia.

CPI is ISO 9001 and ISO 14001 accredited and also registered for the production of Halal, Kosher and Pareve products.