

United Synthetic R&O Industrial Gear & Bearing Oils are formulated with rust- and oxidation-inhibited synthetic base oils and anti-wear additives for excellent gear and bearing protection. These oils are engineered for long oil life and superior performance in a wide variety of applications.

Recommended service life is dependent on operating conditions and maintenance practices. Oil analysis is recommended every 1,000 hours of operation.

Features:

- Ashless anti-wear additives and mild EP performance deliver excellent protection for high- and low-speed gears and bearings
- Versatility allows for product consolidation
- Maintains gear and bearing cleanliness
- Protects at high temperatures while providing excellent cold-temperature startup efficiency and lubrication
- Resists foam for reliable protection
- Noncorrosive to copper (yellow metals)
- Readily separates from water
- Designed to reduce leaks and extend seal life

TYPICAL SPECIFICATION DATA

UNITED SYNTHETIC R&O INDUSTRIAL GEAR & BEARING OIL				
ISO GRADE	150	220	320	460
Viscosity @ 100°C (cSt)	19.7	26.5	35.2	47.0
Viscosity @ 40°C (cSt)	151.2	222.0	321.7	456.0
Viscosity Index	150	153	155	161
Density (lb/gal)	7.16	7.19	7.21	7.25
Pour Point (°C)	-44	-40	-40	-37
Pour Point (°F)	-47	-40	-40	-35
Flash Point (°C)	284	280	290	290
Flash Point (°F)	543	536	554	554
Copper Corrosion	1A	1A	1A	1A
Total Acid Number (TAN)	0.21	0.21	0.21	0.21
FZG Failure Stage	>12	>12	>12	>12
4-Ball Wear Scar (mm)	0.36	0.36	0.36	0.36

Meets or Exceeds:

- AGMA 9005-E02
- Cincinnati Machine P-39 (ISO 460)
- DIN 51517 Part 3
- ISO 12925-1 (CKT)

Product Availability: United Synthetic R&O Industrial Gear & Bearing ISO 150

- 5 Gal*
- 55 Gal*
- 275 Gal*

Product Availability: United Synthetic R&O Industrial Gear & Bearing ISO 220

- 5 Gal*
- 55 Gal*
- 275 Gal*

Product Availability: United Synthetic R&O Industrial Gear & Bearing ISO 320

- 5 Gal*
- 55 Gal*
- 275 Gal*

Product Availability: United Synthetic R&O Industrial Gear & Bearing ISO 460

- 5 Gal*
- 55 Gal*
- 275 Gal*

**Contact your local United Account Manager for product availability.*