

United Synthetic R&O Industrial Gear and 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/Benefits:

- 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 start-up 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

Meets or Exceeds:

- AGMA 9005-E02 (R&O)

TYPICAL SPECIFICATIONS

ISO VG	150	220	320	460
Viscosity @ 100°C, cSt, ASTM D445	19.7	26.5	35.2	47.0
Viscosity @ 40°C, cSt ASTM D445	151.2	222.0	321.7	456.0
Viscosity Index, ASTM D2270	150	153	155	161
Specific Gravity (g/ml), ASTM D1298	0.8597	0.8633	0.8665	0.8708
Density (lb/gal), ASTM D1298	7.158	7.189	7.215	7.251
Flash Point, °C (°F) (COC) ASTM D92	284 (543)	280 (536)	290 (554)	290 (554)
Fire Point, °C (°F) (COC) ASTM D92	302 (576)	302 (576)	312 (594)	314 (597)
Pour Point, °C (°F) ASTM D97	-44 (-47)	-40 (-40)	-40 (-40)	-37 (-35)
Four-Ball Wear Test mm scar, 75°C, 1200 rpm, 40 kg, 1 hr, D4172	0.36	0.36	0.36	0.36
Copper Corrosion, 121°C, 3 hour, D130	1A	1A	1A	1A
Total Acid Number (TAN), ASTM D665	0.21	0.21	0.21	0.21
FZG Failure Stage DIN51534 mod. (A/16.6/90)	>12	>12	>12	>12

Product Availability:

- 5 Gallon Pail
- 55 Gallon Drum
- 275 Gallon Tote