

United Synthetic R&O Compressor Oils are full-synthetic, non-detergent oils formulated to deliver excellent anti-wear performance in single- and multi-stage rotary screw, vane and reciprocating compressors and certain vacuum pumps. These oils are formulated to provide up to an 8,000-hour drain interval in rotary screw compressors (at a 200°F discharge temperature). These oils are not recommended for “breathing air” or refrigeration compressors.

## Features/Benefits:

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- Protects at high temperatures while providing excellent cold-temperature start-up efficiency and lubrication
- Resists foam for reliable protection
- Readily separates from water
- Designed to reduce leaks and extend seal life
- Ashless anti-wear additives and mild EP performance deliver excellent protection
- Non-corrosive to copper (yellow metals)

## Meets or Exceeds:

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- AGMA 9005-E02 (R&O)

# TYPICAL SPECIFICATIONS

ISO VG	32	46	68	100
Viscosity @ 100°C, cSt, ASTM D445	6.2	7.3	10.5	13.5
Viscosity @ 40°C, cSt, ASTM D445	33.6	42.9	68.7	100.0
Viscosity Index, ASTM D2270	136	135	139	135
Specific Gravity (g/ml), ASTM D1298	0.8393	0.8408	0.8468	0.8550
Density (lb/gal), ASTM D1298	6.989	7.001	7.051	7.119
Flash Point, °C (°F) (COC), ASTM D92	264 (507)	252 (486)	252 (486)	262 (504)
Fire Point, °C (°F) (COC), ASTM D92	276 (529)	274 (525)	276 (529)	274 (525)
Pour Point, °C (°F), ASTM D97	-53 (-63)	-48 (-54)	-40 (-40)	-40 (-40)
Four Ball Wear Test, mm scar, 75°C, 1200 rpm, 40 kg, 1 hr, ASTM D4172	0.45	0.45	0.45	0.45
Copper Corrosion, 121°C, 3 hour, ASTM D130	1A	1A	1A	1A
Total Acid Number (TAN), ASTM D665	0.27	0.27	0.27	0.27
FZG Failure Stage DIN 51534 mod. (A/16.6/90)	11	11	11	11

## Product Availability:

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