

Food Grade Synthetic Rotary Screw Compressor Oil



APPLICATION

Nuvair 546 is designed for 2,000 hours of use in rotary screw compressors where a food grade lubricant is needed. Nuvair 546 meets all requirements under FDA Regulation 21 CFR 178.3570 H-1.

INDUSTRIAL APPLICATIONS

- Rotary screw compressors
- Rotary vane compressors
- Centrifugal compressors
- Reciprocating compressors
- Meat processing plants
- Poultry processing plants
- Food processing
- Vacuum pumps

CHARACTERISTICS

- Available in one and five-gallon containers
- Improved thermal and oxidative stability over mineral oil
- Compatible with most seals, plastics and rubbers
- Very low pour point
- Wide operating temperature range
- Non-detergent
- Extended oil life reduces oil disposal, thus increasing cost-effectiveness
- Rated by the manufacturer for use with nitrox at up to 40% O₂.*

SPECIFICATIONS

	ASTM Test Method	Nuvair 546
SAE Grade	SAE J-300	20
ISO Grade	D2422	46
Viscosity		
@ 104°F, cSt	D445	45
Viscosity Index	D2770	143
Flash Point		
°F	D92	523°F
°C	D92	273°C
Pour Point		
°F	D97	-40°F
°C	D97	-40°C
Evaporation %	D972	<1.0
Foaming Sequence I, II, III	D829	<10/0
Copper Corrosion	D130	1b
Specific Gravity	D4052	0.84
Demusibility	D1401	Excellent

*Must be used properly and meet all conditions of use listed by Nuvair and Coltri.