FES Food Grade 46

FES 202823 5 gal · **FES 202723** 55 gal · **FES 202923** 1.3 gal

Food grade compressor lubricant



FES Food Grade 46 is a fully synthetic, NSF H-1 Certified food grade lubricant designed for rotary screw compressors operating in food processing and packaging environments. Approved for incidental food contact, it delivers dependable lubrication, excellent wear protection, and reliable performance over extended service intervals, helping maximize equipment reliability while supporting food safety requirements.

AVAILABLE SIZES

5 Gallon	**FES 202823**
55 Gallon	**FES 202723**
1.3 Gallon (5 L)	**FES 202923**

KEY BENEFITS

- Improved fluid life
- Reduced maintenance
- Extended equipment life
- Corrosion protection

SERVICE NOTES

Typical operating life
8,000 Hours at 200°F

Compatible fluids
PAO, POE, Diesters and Synthetic Hydrocarbons (Check if FG)

Water separation
Readily Separates from Water

Resistance to foaming
High Resistance

Typical property	Test method	Typical value
Color	Visual	**Light Yellow**
Clarity	Visual	**Clear**
ISO Viscosity Grade	ISO 3448	**46**
Viscosity @ 40°C (cSt)	ASTM D445	**48.0**
Viscosity @ 100°C (cSt)	ASTM D445	**6.9**
Viscosity Index	ASTM D2270	**98**
Pour Point °C (°F)	ASTM D5950	**-34 (-29)**
Density @ 15°C (g/cm^3)	ASTM D4052	**0.873**
Flash Point °C (°F)	ASTM D92	**230 (446)**
Fire Point °C (°F)	ASTM D92	**259 (498)**
Neutralization Number (mg KOH/g)	ASTM D974	**0.3**
Rust Prevention (24 h)	ASTM D665B	**Pass**
Copper Strip Corrosion	ASTM D130	**1a**
Foam Tendency / Stability	ASTM D892	**0/0, 0/0, 0/0**
Water Separation @ 54°C	ASTM D1401	**40/40/0**
Water Separation @ 82°C	ASTM D1401	**-**

Values shown are typical of current production and are not a specification. Future production will conform to the manufacturer's specification, but individual batches may vary. Confirm suitability for your application with your compressor manufacturer or an application specialist.

REPLACES

OEM

Atlas Copco: 1310-2036-21
Atlas Copco Roto-Foodgrade Fluid: 1630-0833-00
Champion RotoLub 4000FG
CompAir: SSL-35F, 204-1368-55
Gardner Denver: 28H35
Gardner Denver Aeon 6000FG: 28H39
Gardner Denver Aeon 9000FG: 28H428, 28H427
Ingersoll Rand: 39433719, 39433883
Ingersoll Rand Ultra FG: 23973977, 23973985
Kaeser FG-460
Quincy QuinSyn F: 110756-005, 1627456002, 110756-055, 2013100019
Sullair: 250029-008
Sullair PristineFG: 02250196-470, 02250196-471

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AFTERMARKET

Anderol FGC 32
Mobil SHC Cibus 32
Mobil SHC Cibus 46
Summit FG-100
Summit FG-200
Ultrachem Omnilube 520
Ultrachem OmniLube 546