

FES SH Synthetic 46

FES 200223 5 gal · **FES 200123** 55 gal · **FES 200323** 1.3 gal

Full synthetic PAO-based compressor fluid for rotary screw compressors

FES SH Synthetic 46 is a full synthetic alternative to many popular OEM PAO-based fluids. Designed to provide full duty-cycle protection with annual fluid change intervals, it represents one of the most commonly used lubricant technologies in the industry.

FES SH Synthetic 46 delivers outstanding thermal stability, oxidation resistance, a low pour point, and high flash point while protecting compressors against corrosion, rust, and wear.



AVAILABLE SIZES



5 Gallon

FES 200223



55 Gallon

FES 200123



1.3 Gallon (5 L)

FES 200323

KEY BENEFITS

- Superior wear protection
- Excellent thermal stability
- Oxidation resistance
- Extended equipment life

SERVICE NOTES

Typical operating life
8,000 Hours at 200°F

Compatible fluids
PAO, POE, Diesters and Synthetic Hydrocarbons

Water separation
Readily Separates from Water

Resistance to foaming
High Resistance

Typical property	Test method	Typical value
Color	Visual	Colorless
Clarity	Visual	Clear
ISO Viscosity Grade	ISO 3448	46
Viscosity @ 40°C (cSt)	ASTM D445	46.0
Viscosity @ 100°C (cSt)	ASTM D445	7.5
Viscosity Index	ASTM D2270	126
Pour Point °C (°F)	ASTM D5950	-20 (-4)
Density @ 15°C (g/cm ³)	ASTM D4052	0.846
Flash Point °C (°F)	ASTM D92	252 (486)
Fire Point °C (°F)	ASTM D92	278 (532)
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 Roto Xtend (1310036838)
Champion RotorLub 8000 (28H164)
Chicago Pneumatic Rotair Plus (1630144420)
CompAir Complube 8000 (28H368)
FS-Curtis FSC-8000 (FSC8000-4)

Gardner Denver Aeon 9000 SP (28H109)
Kaeser S-460 (S460-5)
Quincy QuinSyn (127462-005 / 1627456058)
Sullair SRF II/8000 (02250118-160)
Sullivan-Palatek Palasyn 45 (00061-005)

AFTERMARKET

Anderol 3068
Mobil Rarus SHC 1025
Royal Purple Synfilm GT 46
Summit SH-46
Ultrachem Chemlube 228

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