

ROTO FOOD GRADE 46

TECHNICAL DATA SHEET

FOOD GRADE
COMPRESSOR LUBRICANT

NSF H-1 APPROVED FOOD GRADE LUBRICANT

Edmac Roto 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.



IMPROVED
FLUID LIFE



REDUCED
MAINTENANCE



CORROSION
PROTECTION



EXTENDED
EQUIPMENT LIFE

	TYPICAL PROPERTIES	TEST METHOD	ROTO FOOD GRADE 46
	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 4052	0.873
	Flash Point °C (°F)	ASTM D92	230 (446)
	Fire Point °C (°F)	ASTM D92	259 (498)
	Neutralization Number (mgKOH/g)	ASTM D974	0.3
	Rust Prevention (24h)	ASTM D665B	Pass
	Copper Strip Corrosion (mL)	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	-

The above specifications are typical of current production. While future production will conform to manufacturer specification, variations in these characteristics may occur. It is always recommended to evaluate any specifications provided in this document with proper application experts to ensure suitability.

