

ROTO COOLANT PLUS 46

TECHNICAL DATA SHEET

SYNTHETIC ESTER-BASED COMPRESSOR
FLUID FOR ROTARY SCREW COMPRESSORS

SYNTHETIC ESTER-BASED COMPRESSOR LUBRICANT

Roto Coolant Plus 46 is an extended-life synthetic ester-based compressor fluid engineered to deliver exceptional performance in high-temperature and high-humidity operating environments. Its advanced formulation provides outstanding oxidation resistance, superior corrosion protection, and varnish-free operation, helping maximize fluid life, improve energy efficiency, and ensure long-term compressor reliability.



IMPROVED
FLUID LIFE



REDUCED
MAINTENANCE



CORROSION
PROTECTION



EXTENDED
EQUIPMENT LIFE

	TYPICAL PROPERTIES	TEST METHOD	ROTO COOLANT XL 46
	Color	Visual	Colorless
	Clarity	Visual	Clear
	ISO Viscosity Grade	ISO 3448	46
	Viscosity @ 40°C (cSt)	ASTM D445	45.7
	Viscosity @ 100°C (cSt)	ASTM D445	6.8
	Viscosity Index	ASTM D2270	102
	Pour Point °C (°F)	ASTM D5950	-23 (-9)
	Density @ 15°C (g/cm ³)	ASTM 4052	0.897
	Flash Point °C (°F)	ASTM D92	243 (470)
	Fire Point °C (°F)	ASTM D92	275 (528)
	Neutralization Number (mgKOH/g)	ASTM D974	0.2
	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.

