

ROTO COOLANT 46

TECHNICAL DATA SHEET

PAG/ESTER BASED COOLANT FOR
ROTARY SCREW COMPRESSORS

PREMIUM COMPRESSOR COOLANT

PAG/ESTER BASED

Roto Coolant 46 is a premium polyalkylene glycol (PAG) based compressor lubricant formulated as a direct replacement for common OEM PAG coolants used in rotary screw compressors.

PAG fluids provide excellent oxidation resistance and naturally resist varnish formation, helping maintain clean internal surfaces throughout the lubricant's service life. Oxidation byproducts remain suspended in the fluid rather than adhering to metallic components, supporting extended equipment reliability and reduced maintenance.



SUPERIOR WEAR
PROTECTION



EXCELLENT THERMAL
STABILITY



NATURAL VARNISH
RESISTANCE



EXTENDED EQUIPMENT
LIFE

	TYPICAL PROPERTIES	TEST METHOD	ROTO COOLANT 46
	Color	Visual	Colorless
	Clarity	Visual	Clear
	ISO Viscosity Grade	ISO 3448	46
	Viscosity @ 40°C (cSt)	ASTM D445	46.1
	Viscosity @ 100°C (cSt)	ASTM D445	8.4
	Viscosity Index	ASTM D2270	161
	Pour Point °C (°F)	ASTM D5950	-69 (-56)
	Density @ 15°C (g/cm ³)	ASTM 4052	0.984
	Flash Point °C (°F)	ASTM D92	271 (520)
	Fire Point °C (°F)	ASTM D92	290 (554)
	Neutralization Number (mgKOH/g)	ASTM D974	0.05
	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	-
	Water Separation @ 82°C	ASTM D1401	-

The above specifications are typical of current production. Whilst future production will conform to manufacturer specification, variations in these characteristics may occur. It's always suggested to evaluate any recommendations made in this document with proper application experts to ensure suitability.

