

ROTO SYN PLUS 46

TECHNICAL DATA SHEET

FULL SYNTHETIC PAO-BASED

COMPRESSOR FLUID FOR ROTARY SCREW COMPRESSORS

PREMIUM COMPRESSOR LUBRICANT

PAO BASED

Roto SYN Plus 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.

Roto SYN Plus 46 delivers outstanding thermal stability, oxidation resistance, a low pour point, and high flash point while protecting compressors against corrosion, rust, and wear.



SUPERIOR WEAR
PROTECTION



EXCELLENT THERMAL
STABILITY



OXIDATION
RESISTANCE



EXTENDED EQUIPMENT
LIFE

	TYPICAL PROPERTIES	TEST METHOD	ROTO SYN PLUS 46
	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/cm³)	ASTM 4052	0.846
	Flash Point °C (°F)	ASTM D92	252 (486)
	Fire Point °C (°F)	ASTM D92	278 (532)
	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. Whilst future production will conform to manufacturer specification, variations in these characteristic may occur. It is always suggested to evaluate any recommendations made in this document with proper application experts to ensure suitability.