

Synthetic Ester Compressor Oil (SC3)



Product Description

Podlee SC3 range oil is a cutting-edge lubricant engineered for modern air compressors, utilizing synthetic ester base oils to deliver exceptional performance in demanding industrial environments. Designed to optimize reliability and efficiency, it combines advanced thermal stability with eco-friendly properties, making it ideal for high-temperature, heavy-duty, or energy-sensitive applications.

Application

Industrial air compressors, food/pharmaceutical-grade systems (if NSF-certified), and operations prioritizing energy savings or reduced maintenance.

Advantages

Exceptional Oxidative Stability: Ensures long-term performance under harsh operating conditions.

Enhanced Lubricity & Film Strength: Optimized surface protection for critical components (e.g., rotors, bearings).

Superior Anti-Wear Performance: High film strength minimizes metal-to-metal contact, reducing component wear.

Excellent High-Temperature Performance: Maintains viscosity stability to prevent thermal breakdown and carbonization.

Extended Service Life & Reduced Maintenance: Inhibits carbon deposits, prolongs valve life, and minimizes downtime for cleaning.

Controlled Lubricant Consumption: Precisely regulates oil supply to cylinder walls and piston rings, lowering oil usage without compromising wear protection.

Improved Compressed Air Purity: Reduced oil carryover enhances air quality, critical for sensitive applications (e.g., food, pharmaceuticals).

Typical Characteristics

Item	Test Data					Standard
Viscosity (mm ² /s @ 104 °F / 40 °C)	32	46	68	100	150	ASTM D445
Viscosity Index	120	120	120	120	105	ASTM D2270
Flash Point – Open Cup Method, (°F/°C)	482/250	482/250	500/260	500/260	500/260	ASTM D92
Pour Point (°F/°C)	-49/-45	-49/-45	-40/-40	-31/-35	-22/-30	ASTM D97
Copper Corrosion	1a	1a	1a	1a	1a	ASTM D130
Rust Preventing Characteristics (A)	Pass	Pass	Pass	Pass	Pass	ASTM D665

Package

18 L/Barrel

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