



## Technical Data Sheet

- EXTRA LONG LIFE
- IMPROVED EFFICIENCY
- SEVERE APPLICATIONS

# Pure Tech Compressol S4 R (32, 46, 68, 100, 150)

Advanced Synthetic Rotary Air Compressor Oil

Pure Tech Compressol S4 R is a premium fully synthetic air compressor oil, engineered to meet the high-performance demands of rotary screw and rotary vane air compressors. Blended with an advanced additive system, it offers exceptional thermal stability, extended drain intervals, and superior protection against wear and deposits.

It is designed for use in modern high-speed compressors, capable of delivering reliable lubrication for up to 10,000 hours, and up to 12,000 hours under optimized conditions.

### KEY FEATURES

- **Extended Oil Drain Intervals:** Allows oil change intervals of 10,000–12,000 hours, reducing downtime and maintenance costs.
- **Superior Oxidation & Thermal Stability:** Maintains performance in extreme temperatures, ideal for compressors operating under heavy load.
- **Excellent Deposit Control:** Reduces sludge and carbon build-up, keeping internal parts clean and efficient.
- **Low Volatility & Air Release:** Minimizes oil carryover, leading to lower oil consumption and cleaner compressed air.
- **Multi-Use Compatibility:** Suitable for systems requiring synthetic bearing & circulating oils or R&O oils (ISO VG 32–68).

### MAIN APPLICATIONS

- **Rotary Screw and Rotary Vane Compressors:** Ideal for both stationary and portable rotary compressors operating at high speeds and temperatures. It helps reduce carbon deposits, improves valve cleanliness, and supports long service life.
- **Systems Requiring Synthetic R&O or Circulating Oils:** Perfect for applications where a high-performance synthetic oil is required in place of conventional rust and oxidation (R&O) oils, especially in ISO VG 32–68 grades.
- **Modern High-Output Equipment:** Specifically formulated for compact, high-efficiency air compressors that demand superior oxidation stability and deposit control. Reduces downtime and extends oil change intervals up to 10,000–12,000 hours under optimal conditions.

### TYPICAL PHYSICAL CHARACTERISTICS

PROPERTIES			METHOD	PURE TECH COMPRESSOL S4 R				
ISO Viscosity Grade			ISO 3448	<b>32</b>	<b>46</b>	<b>68</b>	<b>100</b>	<b>150</b>
Kinematic Viscosity	@40°C	mm <sup>2</sup> /s	ASTM D445	32.0	46.0	68.0	100	100
Kinematic Viscosity	@100°C	mm <sup>2</sup> /s	ASTM D445	6.1	8.1	10.4	14.0	19.0
Viscosity Index			DIN ISO 2909	134	136	141	142	145
Flash Point	°C		ASTM D92	250	250	240	260	266
Pour Point	°C		ASTM D97	-45	-46	-47	-48	-49

### HEALTH, SAFETY & ENVIRONMENT

#### Health and Safety

Pure Tech Compressol S4 R is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.

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