TECHNICAL DATA SHEET

AERO E

Ester Air Compressor Lubricant · 158 Series

AERO E is an ester-based air compressor lubricant formulated for air and gas compressors at high discharge temperatures. This highly stable formulation resists degradation and oxidation even at extreme temperatures, with excellent resistance to carbon and varnish — ideal for compressors prone to cleanliness issues.

AERO E-32 and E-46 are highly compatible with PAG/ester, PAO, ester and mineral rotary screw compressor lubricants; in most cases flushing is not required when replacing them.

AERO E-100 and E-150 are compatible with most mineral, ester and PAO piston compressor lubricants, and with ester-based rotary vane air compressor lubricants.

APPLICATIONS

- Piston compressors
- Screw compressors
- Rotary vane compressors
- Centrifugal compressors

FLUID LIFE

- 14,000 h below 90 °C discharge
- 12,000 h at 90–100 °C
- 10,000 h at 100–110 °C
- Meets DIN 51506 VDL

BENEFITS

- Superior carbon and varnish control
- Excellent thermal stability
- Long fluid life
- Contributes to lower operating temperature
- Excellent wear protection
- Resists chemical contamination
- Excellent corrosion and rust protection

TECHNICAL SPECIFICATIONS

Typical properties

ISO Viscosity Grade	32	46	68	100	150
Viscosity @ 40 °C (cSt)	32	46	68	100	150
Viscosity @ 100 °C (cSt)	5.2	6.6	9.2	12	16.4
Viscosity Index	87	90	110	110	115
Density @ 15 °C (g/cm³)	0.93	0.93	0.94	0.94	0.93
Pour Point (°C)	-45	-42	-40	-40	-39
Flash Point (°C)	228	233	235	245	253
Copper Strip Corrosion (D130)	1a	1a	1a	1a	1a
Rust Test (D665, Distilled)	Pass	Pass	Pass	Pass	Pass

NOTE

Values in this Technical Data Sheet are typical and do not constitute a specification. Manufacturing specifications are available on request. Routine oil analysis is recommended to assess the in-service condition of the lubricant. Specifications are subject to change due to formulation or raw-material updates; always verify that this TDS is the most current version.