AERO E

Ester Air Compressor Lubricant (158 Series)

AERO E is an ester-based air compressor lubricant that has been formulated for use in air and gas compressors with high discharge temperatures. AERO-E is a highly stable formulation and will resist degradation and oxidation even at extremely high temperatures. AERO-E offers excellent resistance against carbon and varnish formation and is thus ideal for compressors prone to cleanliness issues.

AERO E-32, and AERO E-46 have excellent compatibility with PAG/Ester, PAO, Ester, and mineral oil rotary screw compressor lubricants. In most cases flushing is not required when replacing these formulations with AERO E-32 and AERO E-46.

AERO E-100 and AERO E-150 are compatible with most mineral oil, ester, and PAO piston compressor oils. In addition these lubricant grades are also compatible with ester based rotary vane air compressor lubricants.

Applications

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

Fluid Life

Discharge temperature	Fluid Life (Hours)
<90°C	14.000
90 - 100°C	12.000
100 - 110°C	10.000

Benefits

- **Meets DIN 51506 VDL requirements.**
- **Superior carbon and varnish control**
- **Helps maintain cooler cleanliness.**
- **Excellent thermal stability**
- **Long fluid life**
- **Contributes to lower operating temperature.**
- **Excellent wear protection**
- **Resists chemical contamination.**
- **Excellent protection against corrosion and rust**

Specifications

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 g/cm³ @ 15 °C	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 (ASTM D130) (100 °C for 3 h)	1a	1a	1a	1a	1a
Rust Test (ASTM D665) (Distilled Water)	Pass/Pass	Pass/Pass	Pass/Pass	Pass/Pass	Pass/Pass

Values included in this TDS are typical and do not constitute a specification. Manufacturing specifications are available upon request. Minimum operating temperatures are based on low temperature viscosity measurements and refrigerant miscibility data. Consult a Next Lubricants representative for operations below the pour point of the oil. It is recommended that routine oil analysis tests be performed to properly assess the condition of the oil. Verify that this TDS is the most UpToDate version, specifications are subject to change due to possible formulation and raw material changes.