

TECHNICAL DATA SHEET

AERO DE

Diester Air Compressor Lubricant · 154 Series

AERO DE is a diester-based air compressor lubricant formulated for use in air and gas compressors operating at high discharge temperatures.

Built on diester base stocks, AERO DE keeps compressors running clean and actively removes existing sludge and varnish deposits.



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
- Very long fluid life
- Contributes to lower operating temperature
- Excellent wear protection
- Good water separation
- Resists foaming — excellent air release
- Excellent corrosion and rust protection

TECHNICAL SPECIFICATIONS

Typical properties

ISO Viscosity Grade	32	46	68	100	150
Viscosity @ 40 °C (cSt)	31	43	65	95	144
Viscosity @ 100 °C (cSt)	5.6	6.3	8.2	10.9	15.3
Viscosity Index	92	93	98	101	108
Density @ 15 °C (g/cm³)	0.89	0.89	0.89	0.89	0.89
Pour Point (°C)	-42	-36	-36	-33	-27
Flash Point (°C)	224	232	242	264	266
Colour (ASTM D1500)	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5
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.