AERO DE

Diester Air Compressor Oil (154 Series)

AERO-DE is a diester based air compressor lubricant that has been formulated for use in air and gas compressors with high discharge temperatures.

Through the use of diester base oils, AERO-DE will ensure a clean running compressor and will actively remove existing sludge and varnish deposits.

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**
- **Very long fluid life**
- **Contributes to lower operating temperature**
- **Helps maintain cooler cleanliness**
- **Excellent wear protection**
- **Good water separation**
- **Resists chemical contamination**
- **Resists foaming, excellent air release properties**
- **Excellent protection against corrosion and rust**

Specifications

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 g/cm³ @ 15 °C	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 1500)	≤0,5	≤0,5	≤0,5	≤0,5	≤0,5
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.