

TECHNICAL DATA SHEET

AERO XL

Extended Life Air Compressor Lubricant · 394 Series

AERO XL is a synthetic extended-life air compressor lubricant formulated for rotary screw, piston, and centrifugal air compressors operating under demanding conditions. It is designed to provide long fluid life while helping control carbon and varnish deposits in compressors exposed to high operating temperatures or severe service conditions.

Its compatibility with a wide range of OEM and after-market air compressor lubricants allows straightforward fluid replacement in most systems without a full system flush. AERO XL meets DIN 51506 VDL requirements and delivers fluid life up to 16,000 hours at discharge temperatures below 90 °C.

**APPLICATIONS**

- Rotary screw air compressors
- Piston air compressors
- Centrifugal air compressors

COMPLIANCE

- DIN 51506 VDL
- Fluid life: 16,000 h (<90 °C)
- Fluid life: 14,000 h (90–100 °C)
- Fluid life: 12,000 h (100–110 °C)

BENEFITS

- Extended-life synthetic formulation
- Removes carbon and varnish deposits
- Replaces most OEM and after-market air compressor lubricants
- Helps maintain compressor and cooler cleanliness
- Excellent wear protection
- Good water separation
- Resists foaming with excellent air release
- Excellent rust and corrosion protection

TECHNICAL SPECIFICATIONS

Typical properties

ISO Viscosity Grade	32	46	68	100	150
Viscosity @ 40 °C (cSt)	32	44	64	100	148
Viscosity @ 100 °C (cSt)	5.7	7.2	9.6	14.7	19.9
Viscosity Index	119	123	130	152	158
Density @ 15 °C (g/cm³)	0.86	0.86	0.86	0.87	0.87
Pour Point (°C)	-57	-54	-48	-45	-42
Flash Point (°C)	240	254	255	258	259
Colour (ASTM 1500)	0.5	0.5	0.5	0.5	0.5
Copper Strip Corrosion (D130)	1a	1a	1a	1a	1a
Rust Test (D665, Distilled H ₂ O)	Pass/Pass	Pass/Pass	Pass/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.