

TECHNICAL DATA SHEET

AERO GOLD

Semi-Synthetic Air Compressor Lubricant · 468 Series

AERO GOLD is a semi-synthetic air compressor lubricant based on highly refined mineral oils and synthetic ester base stocks. This blend is formulated to support clean operation, reduced maintenance, and reliable compressor protection in demanding air compressor service.

Suited for piston, rotary screw, rotary vane, and centrifugal compressors, AERO GOLD helps control carbon and varnish formation and can contribute to lower operating temperatures. It meets DIN 51506 VDL requirements and delivers fluid life up to 10,000 hours at discharge temperatures below 90 °C.



APPLICATIONS

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

COMPLIANCE

- DIN 51506 VDL
- Fluid life: 10,000 h (<90 °C)
- Fluid life: 8,000 h (90-110 °C)

BENEFITS

- Superior carbon and varnish control
- Very long fluid life
- Helps maintain cooler cleanliness
- Contributes to lower operating temperature
- 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	46	68	100	145
Viscosity @ 100 °C (cSt)	5.3	6.6	8.6	11.4	15.2
Viscosity Index	98	95	95	100	106
Density @ 15 °C (g/cm³)	0.87	0.88	0.89	0.89	0.89
Pour Point (°C)	-42	-39	-36	-33	-30
Flash Point (°C)	219	236	255	260	257
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.