TECHNICAL DATA SHEET

# AERO 8000

## Mineral Air Compressor Lubricant · 390 Series




AERO 8000 is a mineral air compressor lubricant formulated from highly refined mineral base stocks for piston and rotary screw air compressors. The formulation covers high-temperature duty and operation in hot, humid environments.

AERO 8000 delivers fluid life up to 10,000 hours at discharge temperatures below 90 °C (194 °F) and up to 8,000 hours at 90 to 100 °C (194 to 212 °F). It meets DIN 51506 VDL requirements and is also suited for hydraulic systems.

### APPLICATIONS

- Piston air compressors
- Rotary screw air compressors
- Hydraulic systems

### COMPLIANCE

- DIN 51506 VDL
- Fluid life: 10,000 h (<90 °C / <194 °F)
- Fluid life: 8,000 h (90-100 °C / 194-212 °F)
- Fluid life: 6,000 h (100-110 °C / 212-230 °F)

### BENEFITS

- Fluid life up to 10,000 hours
- Suited for hot and humid environments
- Excellent wear protection
- Good water separation
- Resists chemical contamination
- Resists foaming with excellent air release

TECHNICAL SPECIFICATIONS

# Typical properties

| ISO Viscosity Grade | 32 | 46 | 68 | 100 | 150 |
|---|---|---|---|---|---|
| Viscosity @ 40 °C / 104 °F (cSt) | 31 | 45 | 66 | 100 | 140 |
| Viscosity @ 100 °C / 212 °F (cSt) | 5.2 | 6.7 | 8.6 | 11.5 | 15.0 |
| Viscosity Index | 97 | 98 | 101 | 102 | 108 |
| Density @ 15 °C / 59 °F (g/cm³) | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 |
| Pour Point (°C / °F) | -45 / -49 | -42 / -44 | -39 / -38 | -36 / -33 | -33 / -27 |
| Flash Point (°C / °F) | 220 / 428 | 229 / 444 | 242 / 468 | 262 / 504 | 266 / 511 |
| Color (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 $H_2O$) | 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 fluid 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.