

TECHNICAL DATA SHEET

AERO FG

Food Grade Air Compressor and Hydraulic Lubricant · 125 Series

AERO FG is a mineral oil based food grade air compressor and hydraulic lubricant formulated for applications where incidental food contact is possible. It is designed for use in air compressors, hydraulic systems, air tools, and related industrial equipment in food and beverage environments.

Registered NSF H1 and compliant with FDA 21 CFR 178.3570, AERO FG provides reliable wear protection, good water separation, and resistance to foaming and chemical contamination. It delivers fluid life up to 8,000 hours at discharge temperatures below 90 °C.

**APPLICATIONS**

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

COMPLIANCE

- NSF H1 registered
- FDA 21 CFR 178.3570 compliant
- DIN 51506 VDL
- DIN 51524-2 HPL
- DIN 51517-3 CLP
- Fluid life: 8,000 h (<90 °C)
- Fluid life: 6,000 h (90-100 °C)
- Fluid life: 4,000 h (100-110 °C)

BENEFITS

- Food grade mineral formulation (NSF H1)
- Excellent wear protection
- Good water separation
- Resists chemical contamination
- Resists foaming with excellent air release
- Excellent rust and corrosion protection

TECHNICAL SPECIFICATIONS

Typical properties

ISO Viscosity Grade	32	46	68	100	150	220
Viscosity @ 40 °C (cSt)	31	44	64	104	145	220
Viscosity @ 100 °C (cSt)	5.25	6.58	8.57	12.37	16.88	22
Viscosity Index	98	99	104	110	125	132
Density @ 15 °C (g/cm³)	0.86	0.87	0.87	0.87	0.87	0.87
Pour Point (°C)	-47	-46	-42	-38	-32	-20
Flash Point (°C)	201	210	240	265	271	272
Colour (ASTM 1500)	0.5	0.5	0.5	0.5	0.5	0.5
Copper Strip Corrosion (D130)	1a	1a	1a	1a	1a	1a
Rust Test (D665, Distilled H ₂ O)	Pass/Pass	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.