

TECHNICAL DATA SHEET

AERO FGXL

Food Grade Air Compressor Lubricant · 254 Series

AERO FGXL is a next-generation synthetic food grade air compressor lubricant formulated for extended drain intervals, ultra-clean operation, and full food safety compliance. It actively removes existing carbon and varnish deposits while preventing new buildup.

Registered NSF H1 and compliant with FDA 21 CFR 178.3570, AERO FGXL delivers fluid life up to 14,000 hours at discharge temperatures below 90 °C, making it suited for food, beverage, pharmaceutical, and packaging facilities where incidental contact compliance is required.



APPLICATIONS

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

COMPLIANCE

- NSF H1 registered
- FDA 21 CFR 178.3570 compliant
- DIN 51506 VDL
- Fluid life: 14,000 h (<90 °C)
- Fluid life: 12,000 h (90-100 °C)
- Fluid life: 10,000 h (100-110 °C)

BENEFITS

- Food grade synthetic formulation (NSF H1)
- Removes existing carbon and varnish deposits
- Extended drain intervals up to 14,000 hours
- Excellent wear protection
- Strong water separation
- Resists foaming with excellent air release
- Resistant to chemical contamination

TECHNICAL SPECIFICATIONS

Typical properties

ISO Viscosity Grade	32	46	68	100	150
Viscosity @ 40 °C (cSt)	34	46	68	100	145
Viscosity @ 100 °C (cSt)	6.2	7.7	10.4	14.5	20.1
Viscosity Index	132	133	140	149	160
Density @ 15 °C (g/cm³)	0.84	0.84	0.84	0.85	0.85
Pour Point (°C)	-58	-57	-54	-51	-48
Flash Point (°C)	246	258	262	265	267
Colour (ASTM 1500)	1.5	1.5	1.5	1.5	1.5
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.