

# AERO FG

## Food Grade Air Compressor Oil and Hydraulic Oil (125 Series)

AERO FG is a mineral oil based food grade air compressor oil that has been formulated for use in air compressors and hydraulic system applications where incidental food contact is possible.

AERO FG is versatile formulation. In addition to air compressor applications, Aero FG can also be used in hydraulic systems and crankcases.

AERO FG complies with FDA 21 CFR 178.3570 requirements and has been registered as H-1 by NSF



### Applications

- Piston compressors
- Rotary screw compressors
- Hydraulic systems
- Air tools

### Fluid Life

Discharge temperature	Fluid Life (Hours)
<90°C	8.000
90 - 100°C	6.000
100 - 110°C	4.000



## Benefits

- Food grade formulation
- Registered as H-1 (NSF)
- Meets DIN 51506 (VDL), DIN 51524-2 (HPL), DIN 51517-3 (CLP) requirements
- Excellent wear protection
- Good water separation
- Resists chemical contamination
- Resists foaming, excellent air release properties
- Excellent protection against corrosion and rust

## Specifications

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 g/cm <sup>3</sup> @ 15 °C	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 (ASTM D130) (100 °C for 3 h)	1a	1a	1a	1a	1a	1a
Rust Test (ASTM D665) (Distilled Water)	Pass/Pass	Pass/Pass	Pass/Pass	Pass/Pass	Pass/Pass	Pass/Pass

Values included in this TDS are typical and do not constitute a specification. Manufacturing specifications are available upon request. Minimum operating temperatures are based on low temperature viscosity measurements and refrigerant miscibility data. Consult a Next Lubricants representative for operations below the pour point of the oil. It is recommended that routine oil analysis tests be performed to properly assess the condition of the oil. Verify that this TDS is the most UpToDate version, specifications are subject to change due to possible formulation and raw material changes.

