



SMARTOIL FG 8K
LONG-LIFE FOOD GRADE COMPRESSOR OIL

SmartOil FG 8K is a synthetic compressor oil formulated from the highest quality polyalphaolefin (PAO) base oils with a superior proprietary additive package to achieve long life. This long life compressor lubricant provides significantly improved wear, oxidation and lubricity over the currently available H-1 food grade synthetic oils allowing the service life to increase by 50% to 100%. SmartOil FG 8K is designed for rotary screw compressors and gives a service life up to 8,000 service hours in good operating conditions.

TYPICAL INDUSTRIAL APPLICATIONS:

- Rotary Screw Compressors
- Centrifugal Compressors
- Vacuum Pumps
- Meat Processing Plants
- Poultry Processing Plants
- Food Processing (NSF H-1)

PERFORMANCE BENEFITS:

- Outstanding wear and lubricity properties
- Less varnish formation
- Low pour point & high flash point
- Good corrosion protection
- Increase oxidative stability
- Excellent compatibility with elastomers, seals, plastics, and paints
- Meets FDA 21 CFR 178.3570 H-1
- Deemed acceptable for use in Canada

TYPICAL PROPERTIES	TEST METHOD	SMARTOIL FG 8K
ISO Grade	ASTM D2422	32/46
Viscosity @ 40°C,cSt	ASTM D445	42.0
Viscosity @ 100°C,cSt	ASTM D445	7.6
Viscosity Index	ASTM D2270	150
Flash Point, °C/°F	ASTM D92	261/501
Pour Point, °C/°F	ASTM D97	-50/-58
Foaming Sequence, I, II, III	ASTM D892	0/0/0
Evaporative Loss, %	ASTM D972	1.0
RPVOT, min.	ASTM D2272	3210
Four Ball Wear, 40 Kg., 1200rpm, 75°C, 1 hr., Scar Diameter, mm	ASTM D4172	0.38
Falex EP, lbs	ASTM 3233B	2315
Specific Gravity	ASTM D4052	0.85