



# FGXL Series

## Extended Life Food Grade Compressor Lubricant

Food grade compressor lubricant has progressed significantly over the past 20 years through advancement in base oil options and approaches in additive chemistry leading to an improved finished fluid performance. Historically food grade lubricants were expected to be changed quarterly or at 2,000 operating hours, the FGXL Series is able to perform much longer maintaining a significantly reduced risk of premature fluid degradation impacting machine performance.

The combination of the naturally high viscosity index of the base fluid and the proprietary additive system enables the FGXL Series of lubricants to provide outstanding performance. The FGXL series has exceptional longevity and a strong resistance to chemical degradation, these products ensure trouble-free operation in the food and beverage processing/packaging industries.

### The IAC Advantage

#### A Simple Philosophy

To approach each client's situation and needs independently, comprehensively and affordably.

#### Understanding Predictive Maintenance

IAC goes beyond standard part supply and evaluates system performance with oil analysis, thermal imaging, vibration tracking, and electrical inspections.

#### Lubricants You Can Trust

IAC's fluids are custom engineered to meet or exceed the performance of their OEM equivalents.



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All of IAC's lubricants provide unsurpassed service life while ensuring clean and trouble-free operation. The FGXL Series has been engineered to reach 100% fluid life at 200°F operating temperature.

#### NSF Approved

The FGXL Series is non-toxic and suitable for use in food processing and other applications, compliant with FDA 21 CFR 178.3570 (Lubricants with Incidental Food Contact) and is authorized by the USDA with an NSF H-1 certification.

#### High Viscosity Index

The FGXL Series is able to maintain viscosity and film thickness at high temperatures to help protect equipment, as well as sustaining good low temperature performance for a less viscous fluid during start-ups.

#### Long Fluid Life

Enhanced oxidative stability helps to provide extended drain intervals with clean operation.

#### Protection Against Contamination

Use of acidic and basic chemicals as part of the cleaning process in food processing facilities will not adversely impact the service life or performance of the FGXL Series because of the strong resistance to chemical contamination and excellent water separability. These chemical vapors tend to attract to the water vapor, and with quick oil/water separation are sent out of the compressor, and discharged through the condensate management system eliminating their degradation of the fluid life.

#### Top-Off Compatibility

The FGXL Series is top-off compatible with all major OEM food grade compressor lubricants, allowing for easy transition of multiple fluids to one product for all rotary screw compressors on site.

IAC is the region's leading provider of compressed air equipment, service, parts, piping and energy management systems in Ohio, Kentucky, Indiana and Florida.

## Specification Comparison

Property	Test Method	Leading OEM	IAC FGXL-46
Color	-	Yellow	Colorless
Viscosity @ 40°C	ASTM D445	46.8	44.1
Viscosity @ 100°C	ASTM D445	7.7	7.7
Viscosity Index	ASTM D2270	132	144
Pour Point °C (°F)	ASTM D97	-51 (-59)	-33 (-27)
Flash Point °C (°F)	ASTM D92	262 (503)	250 (482)
Copper Corrosion	ASTM D130	N/A	1a
Demulsibility	ASTM D1401	42/38/0	40/40/0