

# OMNILUBE® FG XL SERIES

ADVANCED FOOD GRADE COMPRESSOR LUBRICANTS

PRODUCT CODES: 32XL, 46XL, 68XL

## PRODUCT OVERVIEW

The **Omnilube® FG XL Series** is a range of advanced synthetic lubricants designed for high performance in rotary air compressors located in food sensitive manufacturing and processing facilities. Formulated with synthetic base stocks and an innovative, proprietary additive system containing SyntroX, the thermo-oxidative stability of these products exceed the performance of white mineral oils and most modern food grade synthetics on the market. In addition, calculated base oil and additive synergies allow for superior surface effect of the additive system, resulting in reduced friction, excellent anti-wear protection and corrosion resistance. These factors promote advanced fluid performance leading to extended, reliable machine life.

The Omnilube FG XL Series offers multiple opportunities for operational cost savings: excellent frictional properties promoting energy reduction, increased purity of plant air through low volatility improving manufactured product integrity, and reduced overall lubricant consumption by offering an industry-leading service life of up to 8,000\* hours in suitable environments. Raising the bar for reliability, durability and longevity, the Omnilube FG XL Series is designed to take fluid performance and machine uptime to new levels.

## APPLICATION DETAIL

- Rotary screw compressors
- Vacuum pumps
- Circulating systems

## KEY BENEFITS

- Cost savings from extended service intervals (8000\* hours)
- Potential energy savings through advanced base oil and additive synergies
- Clean, efficient compressor operation from superior thermo-oxidative stability
- Low reactivity with plant contaminants to extend drain intervals and reduce changeout costs
- Extended machine component life from robust protection from wear and corrosion
- Reduced oil make-up costs from low volatility / low foaming formula design

### QUICK POINTS...

**Name:** *Omnilube FG XL Series*

**ISO Grade:** *32, 46, 68*

**Base:** *PAO / synthetic*

**Additive System:** *AO/AW/CI*

**Color:** *Pale Yellow*

**Food Grade:** *Yes*

**GHS Class:** *None*

**Main Application:** *Compressors*

## TYPICAL CHARACTERISTICS\*\*

PROPERTY	ASTM METHOD	FG 32XL	FG 46XL	FG 68XL
ISO Grade		32	46	68
Viscosity, 40°C	D445	31.8	41.7	67.8
Viscosity, 100°C	D445	6.08	7.31	10.41
Viscosity Index	D2270	139	139	140
Specific Gravity, 20°C	D4052	0.85	0.86	0.86
Pour Point, °C	D97	-52	-40	-39
Flash Point, °C	D92	252	255	255
Demulsibility, min.	D1401	40-40-0 (<5)	40-40-0 (<5)	40-40-0 (<5)
Copper Strip Corrosion	D130	1b	1b	1b
Rust Characteristics	D665A	Pass	Pass	Pass

\*Under normal operating conditions. \*\*Characteristics are typical of production. Slight variations in the actual data may occur which will not affect performance.

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## RECOMMENDATIONS & APPROVALS



- OMNILUBE FG 32XL – NSF H1 157069
- OMNILUBE FG 46XL – NSF H1 157070
- OMNILUBE FG 68XL – NSF H1 157071
- Kosher (OU)
- Halal

## COMPATIBILITY NOTES

- Compatible with mineral oils and most synthetics
- Compatible with most process gases
- Excellent compatibility with common seal materials, plastics and paints
- Not compatible with polyalkylene glycol (PAG) lubricants

## SHELF LIFE

- (5) years from date of manufacture when stored in unopened container
- Shelf life may be extended based upon fluid type and conditions

## HEALTH & REGULATORY STATEMENTS

- Classified as non-hazardous per OSHA GHS
- TSE/BSE compliant: product does not contain any materials of animal origin or derivatives
- FALCPA compliant: product does not contain any allergens
- RoHS compliant: product does not contain any EU RoHS substances
- REACH compliant: product does not contain any SVHC substances
- Guidelines on safety and storage may be found on the associated Safety Data Sheet ([SDS@ultracheminc.com](mailto:SDS@ultracheminc.com))

## PACKAGING AVAILABILITY

- 5-gallon pail (18.9 L)
- 55-gallon drum (208.2 L)
- 330-gallon tote (1249.2 L)
- (2) 2.5-gallon case (18.9 L) – FG 46XL
- (6) 1-gallon case (22.7 L) – FG 46XL

Please contact your Ultrachem, Inc. representative for detailed information not covered in this data sheet.



The information contained in this brochure is based on the experience and know-how of FUCHS Lubricants Co. in the development and manufacturing of lubricants and represents the current state-of-the-art. The performance of our products can be influenced by a series of factors, especially the specific use, the method of application, the operational environment, component pre-treatment, possible external contamination, etc. For this reason, universally-valid statements about the function of our products are not possible. The information given in this Product Information sheet represents general, non-binding guidelines. No warranty expressed or implied is given concerning the properties of the product or its suitability for any given application.

We therefore recommend you consult a FUCHS Lubricants Co. Application Engineer to discuss application conditions and the performance criteria of the products before the product is used. It is the responsibility of the user to test the functional suitability of the product and to use it with the corresponding care.

Our products undergo continuous improvement. We therefore retain the right to change our product program, the products, and their manufacturing processes as well as all details of our Product Information sheets at any time and without warning. With the publication of this Product Information sheet, all previous editions cease to be valid.

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