

# OMNILUBE® 32/46, 68, & 455 SERIES

**LONG-LIFE FOOD GRADE COMPRESSOR LUBRICANTS**  
PRODUCT CODES: OMNILUBE 32/46, 68, 455

## PRODUCT OVERVIEW

Omnilube® 32/46, 68, and 455 are fully synthetic compressor oils formulated from the highest quality polyalphaolefin (PAO) base oils with a superior proprietary additive package to achieve long life. These long-life compressor lubricants provide significantly improved wear, oxidation stability and lubricity over the currently available H-1 food grade synthetic oils allowing the service life to increase by 50% to 100%.

These compressor lubricants feature superior thermal and oxidation stability enabling them to operate over a wide range of temperatures without coking, deposit formation, or corrosion. The lubricants have low volatility and compatibility with mineral oil lubricants. The series are non-toxic and accepted for use in food processing facilities where NSF H1 Certified products are permitted.

Dependent upon the rotary screw design Omnilube 32/46 and 68 can give a service life of up to 6,000 service hours in good operating conditions. Omnilube 455 is designed for reciprocating compressors.

## APPLICATION DETAIL

- Rotary Screw Compressors
- Rotary Vane Compressors
- Vacuum Pumps
- Centrifugal Compressors
- Reciprocating Compressors
- Meat & Poultry Processing Plants
- Bearing in Food Grade applications i.e. Food Processors / Blenders
- Food Processing Plants, H-1

## KEY BENEFITS

- Outstanding wear and lubricity properties
- Low varnish formation
- Low pour point & high flash point
- Good corrosion protection
- Excellent high temperature oxidation resistance, combined with protection against rust & corrosion
- Excellent compatibility with elastomers, seals, plastics, and paints
- Ready separation from water
- Deemed acceptable for use in Canada

### QUICK POINTS...

Name: *OMNILUBE 32/46 SERIES*

ISO Grade: *32/46, 68, 100*

Base: *PAO + ESTER*

Additive System: *AW / R&O / CI*

Color: *PALE STRAW*

Food Grade: *YES*

Main Application: *COMPRESSORS*

## TYPICAL CHARACTERISTICS\*\*

PRODUCT DATA	ASTM METHOD	Omnilube 32/46	Omnilube 68	Omnilube 455
ISO Grade	D2422	46	68	100
Viscosity, 40 °C	D445	42.0	59.7	98.7
Viscosity, 100 °C	D445	7.6	9.8	14.0
Viscosity Index	D2270	150	150	145
Flash Point, °C/°F	D92	261/501	261/501	260/500
Pour Point, °C/°F	D97	-51/-58	-47/-53	-40/-40
Foaming Sequence I, II, III	D892	<20/0	<20/0	<20/0
Evaporation, %	D972	<0.50	<0.50	<0.50
Four ball wear-40Kg., 1200rpm, 1 hr@75°C, Scar Diameter, mm	D4172	< 0.45	< 0.45	< 0.45
Specific Gravity	D4052	0.85	0.87	0.85

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

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## SPECIFICATIONS

- NSF H-1
- U.S. FDA FDA
- 21CFR 178.3570 - Lubricants with Incidental Food Contact - 10 ppm
- Kosher (OU)
- Halal

## COMPATIBILITY NOTES

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

## SHELF LIFE

- Standard shelf life of (5) years from DOM applies to this product
- Shelf life may be extended and/or recertified upon individual case – please contact your Ultrachem, Inc. representative

## 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)
- (6) 1 gallon case (22.7 L)

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



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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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