

OMNILUBE® 500 SERIES
FOOD GARDE PAO BASED COMPRESSOR LUBRICANTS
PRODUCT CODES: OMNILUBE 520, 546, 568, 5131, 640

PRODUCT OVERVIEW

Omnilube® 500 Series products are synthetic food grade compressor oils formulated with the high-quality, pure polyalphaolefin (PAO) base oils. This product series is H1 approved for incidental food contact & can be used in all food & beverage processing and packaging facilities. This series offers very good performance in various types of industrial equipment such as air compressors and some hydraulic systems. The Omnilube 500 Series offers long fluid life, excellent corrosion protection and low foaming in air compressors.

Omnilube 5131 is suitable for use as an impregnating oil for powder metal sleeve bearings in small electric motors where food grade approvals are necessary. Omnilube 520, 546, and 568 are designed for rotary screw compressors and offer a service life of 2,000 to 4,000 hours under good operating conditions. Omnilube 5131 and 640 are designed for reciprocating compressors.

Omnilube 568 may be used in NH3 compression applications due to clean operation and excellent oxidative / chemical stability.

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
- Omnilube 5131: Powder metal sleeve

KEY BENEFITS

- Outstanding thermal oxidative stability
- Very low pour point
- Wide operating temperature range
- Non-detergent
- Extended drain intervals / reduced oil disposal
- Excellent vapor pressure characteristics
- Complies with FDA 21 CFR 178.3570 H-1
- Deemed acceptable for use in Canada

QUICK POINTS...

Name: **500 SERIES**
ISO Grade: **32 -150**
Base: **PAO**
Additive System: **AW / R&O / CI**
Color: **PALE STRAW**
Food Grade: **YES**
Main Application: **COMPRESSORS**

TYPICAL CHARACTERISTICS**

PRODUCT DATA	ASTM METHOD	Omnilube 520	Omnilube 546	Omnilube 568	Omnilube 5131	Omnilube 640
ISO Grade	D2422	32	46	68	100	150
SAE Grade	SAE J-300	10.0	20.0	20.0	30.0	40.0
Viscosity, 40 °C	D445	29.6	45.2	69.5	108.0	138.0
Viscosity, 100 °C	D445	6.3	7.8	9.2	10.5	16
Viscosity Index	D2270	168	143	145	145	145
Flash Point, °C/°F	D92	249/481	273/523	277/531	272/521	277/531
Pour Point, °C/°F	D97	-68/-90	-40/-40	-40/-40	-39/-38	-37/-35
Copper corrosion	D130	1b	1b	1b	1b	1b
Foaming Sequence, I, II, III	D892	<10/0	<10/0	<10/0	<10/0	<10/0
Demulsibility	D1401	Excellent	Excellent	Excellent	Excellent	Excellent
Evaporation, %	D972	<1.0	<1.0	<1.0	<1.0	<1.0
Specific Gravity	D4052	0.83	0.84	0.84	0.84	0.84

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

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)

PACKAGING & SHIPPING 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.

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