

## OMNILUBE® 520, 546, 568, 5131, and 640

FOOD GRADE PAO-BASED COMPRESSOR LUBRICANTS



### APPLICATIONS:

Omnilube® 520, 546, 568, 5131, and 640 are fully synthetic food grade compressor oils that are formulated with the highest quality polyalphaolefin (PAO) base oils.

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.

### TYPICAL INDUSTRIAL APPLICATIONS:

- Rotary Screw Compressors
- Rotary Vane Compressors
- Vacuum Pumps
- Meat & Poultry Processing Plants
- Food Processing Plants
- Reciprocating Compressors
- Centrifugal Compressors
- Omnilube 5131: Powder Metal Sleeve Bearings in Food Grade Applications, i.e. Food Processors, Blenders.

### PERFORMANCE 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

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TYPICAL PROPERTIES	TEST METHOD	Omnilube 520	Omnilube 546	Omnilube 568	Omnilube 5131	Omnilube 640
ISO Grade	ASTM D2422	32	46	68	100	150
SAE Grade	SAE J-300	10	20	20	30	40
Viscosity @ 40°C,cSt	ASTM D445	29.6	45.2	69.5	108	138
Viscosity @ 100°C,cSt	ASTM D445	6.3	7.8	9.2	10.5	16.0
Viscosity Index	ASTM D2270	168	143	145	145	145
Flash Point, °C/°F	ASTM D92	249/481	273/523	277/531	272/521	277/531
Pour Point, °C/°F	ASTM D97	-68/-90	-40/-40	-40/-40	-39/-38	-37/-35
Copper Corrosion	ASTM D130	1b	1b	1b	1b	1b
Foaming Sequences I, II, III	ASTM D892	< 10/0	< 10/0	< 10/0	< 10/0	< 10/0
Demulsibility	ASTM D1401	Excellent	Excellent	Excellent	Excellent	Excellent
Evaporation, %	ASTM D972	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Specific Gravity	ASTM D4052	0.83	0.84	0.84	0.84	0.84

#### HEALTH & SAFETY

To obtain an SDS on this or any other Ultrachem product, please contact your representative.

#### TECHNICAL SUPPORT

To learn more about Ultrachem products and applications please contact us at [info@ultracheminc.com](mailto:info@ultracheminc.com)



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