

CHEMLUBE® 600 SERIES

MULTI-PURPOSE PAO BASED LUBRICANTS

PRODUCT CODES: CHEMLUBE 624, 625, 626, 627, 630, 632, 634, 636, 639

PRODUCT OVERVIEW

The Chemlube® 600 Series is a full synthetic, PAO-based product line designed for a wide variety of rotating equipment. This series is recommended for gear drives, hydraulic systems, compressors, and pumps where moderate to heavy loads and high temperatures are expected. Built with the latest component technology, the Chemlube 600 Series provides outstanding and balanced performance in demanding applications in a package unique to the industry.

All viscosity grades of the Chemlube 600 Series offer outstanding service in terms of equipment protection, extended oil life and problem-free operation serving to enable increased machine productivity and reduced operational costs. Additional product features are: excellent low temperature operation, improved air release performance, good resistant to mechanical shear, low traction coefficients, high oxidative and thermal stability, and low foaming properties. The antiwear package offers excellent resistance to wear in a completely ashless design, offering benefits to machine life and environmental consideration. The Chemlube 600 Series is an excellent opportunity to consolidate product types in industrial facilities due to the wide variety of applicable equipment types.

APPLICATION DETAIL

- Rotary Screw Compressors
- Rotary Vane Compressors
- Vacuum Pumps / Blowers
- Centrifugal Compressors
- Reciprocating Compressors
- Hydraulic Systems
- Mist Systems
- Enclosed Gear Units: i.e. Spur, Helical, Bevel & Worm Gears
- Plain and Roller Contact Bearings
- Pulp & Paper Machines
- Circulating and Splash Lubricated Systems

KEY BENEFITS

- Excellent wear protection promoting long, dependable machine life
- Advanced oxidative and thermal stability for long fluid life
- Reduced power consumption from low friction coefficient
- Ashless additive package for clean, environmentally friendly operation
- High viscosity index to maintain designed viscosity levels over a wide temperature range
- Excellent opportunity for fluid consolidation in industrial facilities

QUICK POINTS...

Name: *600 SERIES*

ISO Grade: *22 -1000*

Base: *Semi-Synthetic*

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

Color: *Light Amber*

Food Grade: *No*

Main Application: *Gears*

TYPICAL CHARACTERISTICS**

PRODUCT DATA	ASTM METHOD	Chemlube 622	Chemlube 624	Chemlube 625	Chemlube 626	Chemlube 627	Chemlube 629	Chemlube 630	Chemlube 632	Chemlube 634	Chemlube 636	Chemlube 639
ISO Grade	D2422	22	32	46	68	100	150	220	320	460	680	1000
Viscosity, 40 °C	D445	22.0	31.1	47.3	68.6	95.2	156.3	230.4	311.3	486.2	676.7	980.9
Viscosity, 100 °C	D445	4.60	5.75	7.86	10.10	12.85	18.29	24.14	29.57	41.37	54.35	98.02
Viscosity Index	D2270	124	127	136	132	133	131	131	130	133	140	136
Flash Point, °C/°F	D92	204/400	240/464	240/464	238/460	260/500	260/500	262/504	270/518	270/518	270/518	270/518
Pour Point, °C/°F	D97	-51/-60	-48/-54	-48/-54	-48/-54	-45/-49	-45/-49	-35/-31	-33/-27	-27/-17	-25/-13	-23/-9
Copper Corrosion	D130	1B	1B	1B	1B	1B	1B	1B	1B	1B	1B	1B
Rust Prevention	D 665	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Evaporation Loss, %	D 972	<1%	<1%	<1%	<1%	<1%	<1%	<1%	<1%	<1%	<1%	<1%
Specific Gravity	D1298	0.86	0.86	0.86	0.87	0.87	0.87	0.87	0.88	0.88	0.88	0.88

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

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SPECIFICATIONS

- AGMA 9005-E02
- DIN 51517-3: 2014-02
- ISO L-CKB (ISO 12925-1:1996)
- ISO L-CKD (ISO 12925-1:1996)

COMPATIBILITY NOTES

- Compatible with mineral oils and most other hydrocarbons
- Compatible with most process gases
- Compatible with most common seal materials, plastics, and paints

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 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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