



COMPRESSOR & VACUUM PUMP LUBRICANTS

Premium Synthetic Lubricants for Compressor & Vacuum Applications



ULTRACHEM INC
PREMIUM SYNTHETIC LUBRICANTS

Introduction

Ultrachem has been a leading manufacturer of air compressor lubricants for over 40 years. Research, development and rigorous field testing over time has resulted in a line of premium synthetic lubricants that are well known for their quality. As new equipment requirements and challenges arise, more stresses are placed on the lubricant. Ultrachem strives to study these changes and adapt our formulations accordingly to deliver optimal performance from our fluids.

Ultrachem products are proprietary formulas, providing an exclusive product offering to the customer, designed and built to outperform any competitive fluid found in the marketplace today. Some of the typical performance benefits of Ultrachem synthetic compressor lubricants are:

- Decreased Formation of Varnish and Carbon Deposits
- Extended Drain Intervals
- Lower Oil Volatility and Flammability
- Excellent Demulsibility
- Reduced Power Consumption
- Wide Temperature Ranges

Service and quality are a must in this industry, and Ultrachem is a proven brand you can trust to deliver on both counts. Protect your expensive equipment purchases by utilizing a true premium synthetic lubricant.



AIR COMPRESSOR & VACUUM PUMP LUBRICANTS

P-ACO Series: PETROLEUM COMPRESSOR LUBRICANTS

The P-ACO Series are a high performance, multifunctional lubricants designed for use in many industrial applications. These are considered environmentally friendly since they are zinc free. These premium petroleum oils are Ultrachem's choice for petroleum lubricants where OEM specifications are critical. They are very useful where frequent change outs are necessary due to poor environments prone to contamination from dust, acids, solvents, gases, or other contaminants. The P-ACO Series has a service life of 2,000 - 4,000 hours under good operating conditions in rotary screw compressors and up to 2,000 hours in reciprocating compressors.

PRODUCT	ISO GRADE	VISCOSITY@ 40°C/100°C	VISCOSITY INDEX	FLASH POINT °C/°F	POUR POINT °C/°F	SPECIFIC GRAVITY
P-ACO 22	22	22/4.7	136	204/400	-43/-45	0.85
P-ACO 32	32	34/5.3	136	204/400	-43/-45	0.86
P-ACO 46	46	45/7.3	120	210/410	-37/-34	0.87
P-ACO 68	68	69/9.3	112	217/424	-34/-29	0.87
P-ACO 100	100	95/11.5	109	226/439	-29/-20	0.88
P-ACO 150	150	159/15.9	102	232/439	-29/-20	0.89
P-ACO 220	220	240/20.8	105	260/450	-25/-13	0.87
P-ACO 320	320	330/25.6	100	265/509	-10/-14	0.89
P-ACO 460	460	437/30	98	271/520	-23/-9	0.89

PS Series: PARTIAL SYNTHETIC COMPRESSOR LUBRICANTS

The Ultrachem PS Series are a blend of synthetic and premium petroleum base fluids designed for use in rotary screw, rotary vane, and reciprocating air compressors. The unique additive systems and highest quality synthetic components in these products make them greatly superior to petroleum products and competitive partial synthetics. The Ultrachem PS Series extends service life up to 4,000+ hours in rotary screw compressors under good operating conditions.

PRODUCT	ISO GRADE	VISCOSITY@ 40°C/100°C	VISCOSITY INDEX	FLASH POINT °C/°F	POUR POINT °C/°F	SPECIFIC GRAVITY
PS 32	32	32/6	146	216/420	-33/-27	0.90
PS 46	46	44.5/7.8	145	221/430	-36/-33	0.91
PS 68	68	73/8.6	87	221/430	-33/-27	0.91
PS 100	100	107/11.8	99	221/430	-30/-22	0.91
PS 150	150	148/15.3	105	224/435	-24/-11	0.91
PS 220	220	232/20.8	105	224/435	-26/-15	0.91

S Series: SYNTHETIC COMPRESSOR LUBRICANTS

The "S" Series are full synthetic lubricants designed for high performance in air compressors and vacuum pumps. The "S" Series utilizes the latest base oil technology available in combination with excellent lubricant additive systems to provide the performance of a synthetic at a lower cost. The "S" Series are formulated from severely hydro-treated, hydro-cracked hydrocarbon base fluids. 32S, 46S, and 68S are designed for rotary screw compressors and yield a service life of 6,000+ hours at wide temperature ranges in good operating conditions. 100S and 150S are designed for reciprocating compressors.

PRODUCT	ISO GRADE	VISCOSITY@ 40°C/100°C	VISCOSITY INDEX	FLASH POINT °C/°F	POUR POINT °C/°F	SPECIFIC GRAVITY
32S	32	36.6/6.5	130	252/486	-42/-44	0.85
46S	46	45.2/7.5	130	263/506	-39/-38	0.86
68S	68	67/9.9	132	261/501	-33/-27	0.86
100S	100	95.4/12.4	124	255/491	-31/-23	0.86
150S	150	153/17	120	261/501	-30/-22	0.86

Chemlube® 446: SYNTHETIC BLEND LONG-LIFE COMPRESSOR LUBRICANT

Chemlube 446 is a unique blend of synthetic base oils and additives that provide exceptional performance characteristics combined with unprecedented value in a long-life synthetic compressor oil. This is the quality synthetic to use when replacing branded aftermarket products in the marketplace. As a full synthetic, Chemlube 446 extends service life to 6,000 - 8,000 hours under good operation conditions in rotary screw compressors.

PRODUCT	ISO GRADE	VISCOSITY@ 40°C/100°C	VISCOSITY INDEX	FLASH POINT °C/°F	POUR POINT °C/°F	SPECIFIC GRAVITY
Chemlube 446	46	45.2/7.5	130	240/464	-39/-38	0.82

Chemlube® 221, 228, 268, 299, and 300: PAO COMPRESSOR LUBRICANTS

The Chemlube PAO-based series are 100% synthetic compressor oils formulated with the highest quality polyalphaolefin (PAO) base fluids. These premium synthetic oils are used where maximum seal, paint, and plastics compatibility is required. Chemlube 221, 228, and 268 are designed for rotary screw applications and offer a service life of up to 8,000 hours under a wide range of temperatures under good operating conditions. Chemlube 229 and 300 are designed for reciprocating compressors. These are the quality synthetics to replace branded OEM PAO's.

PRODUCT	ISO GRADE	VISCOSITY@ 40°C/100°C	VISCOSITY INDEX	FLASH POINT °C/°F	POUR POINT °C/°F	SPECIFIC GRAVITY
Chemlube 221	32	32/5.5	140	221/430	-54/-65	0.84
Chemlube 228	46	48/7.9	134	251/483	-51/-60	0.86
Chemlube 268	68	68/10.3	139	270/518	-51/-60	0.86
Chemlube 299	100	99/14.5	150	246/475	-51/-60	0.86
Chemlube 300	150	156.3/18.3	131	260/500	-45/-49	0.86

Chemlube® 215, 229, 230, 501, 751, and 822: DIESTER COMPRESSOR LUBRICANTS

The Chemlube diester-based series are synthetic compressor oils specially formulated with premium synthetic ester base fluids for use in a wide variety of air compressors. Chemlube 215, 229, and 230 are designed for rotary screw compressors and will offer a typical service life of 8,000 hours under good operating conditions. Chemlube 230 and 501 are very popular fluids for rotary vane service, typically up to 4,000 hours. Chemlube 501 and 751 are designed for reciprocating compressors and are recommended for high pressure air compressors. Chemlube 822 is a heavier weight formula for use where an ISO 220 is required.

Chemlube 501 and 751 are recommended for reciprocating compressors and vacuum pumps handling the following gases:

Air	Ethylene	Methane	Propane
Butadiene	Natural Gas	Synthesis Gas	Carbon Monoxide
Carbon Dioxide (dry)	Helium	Hydrogen Sulfide (dry)	Nitrogen
Furnace (cracked) Gas	Hydrogen	Sulphur Hexafluoride	

PRODUCT	ISO GRADE	VISCOSITY@ 40°C/100°C	VISCOSITY INDEX	FLASH POINT °C/°F	POUR POINT °C/°F	SPECIFIC GRAVITY
Chemlube 215	32	36.3/5.9	106	275/526	-48/-54	0.96
Chemlube 229	46	45.4/6.5	89	258/496	-40/-40	0.96
Chemlube 230	68	70/7	60	267/531	-38/-35	0.96
Chemlube 501	100	99/10.2	83	260/500	-33/-27	0.95
Chemlube 751	150	146.5/13.3	90	271/520	-40/-40	0.93
Chemlube 822	220	222/18.6	92	267/531	-34/-30	0.92

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Ultrachem® Coolant PE and Coolant 32 PE: PAG/PE COMPRESSOR LUBRICANTS

Ultrachem Coolant PE and Coolant 32 PE are produced from a unique blend of polyalkylene glycol (PAG) and pentaerythritol esters, which together form an exceptional coolant which reduces oxidation and deposit formation. These Coolants offer excellent heat transfer properties, long life, high flash points, low evaporation, biogradability, and excellent hydrolytic stability. They do not form varnish deposits like petroleum or PAO oils. Ultrachem Coolant PE and Coolant 32 PE are the generic alternatives to Ingersoll Rand SSR Ultra Coolant® and Sullube® 32 respectively and give the equivalent service life of 8,000+ hours in rotary screw compressors.

PRODUCT	ISO GRADE	VISCOSITY@ 40°C/100°C	VISCOSITY INDEX	FLASH POINT °C/°F	POUR POINT °C/°F	SPECIFIC GRAVITY
Coolant 32 PE	32	40/8.3	188	220/428	-48/-55	0.99
Ultrachem Coolant PE	46	45.5/9.6	202	251/483	-51/-60	0.99

Ultrachem® Coolant and Coolant 32: PAG/ESTER COMPRESSOR LUBRICANTS

Ultrachem Coolant and Coolant 32 are produced from a unique blend of polyalkylene glycol (PAG) and esters which together form an excellent coolant and act to reduce oxidation and deposit formation. They offer excellent heat transfer properties, long life, high flash points, low evaporation, clean-up capability, and excellent hydrolytic stability. They do not form varnish deposits like petroleum or PAO oils. Ultrachem Coolant and Coolant 32 are less expensive alternatives to our Ultrachem Coolant PE and Coolant 32 PE. We recommend the PE versions for applications involving high humidity, high heat or other demanding conditions that may result in shorter life.

PRODUCT	ISO GRADE	VISCOSITY@ 40°C/100°C	VISCOSITY INDEX	FLASH POINT °C/°F	POUR POINT °C/°F	SPECIFIC GRAVITY
Coolant 32	46	46.1/8.1	148	261/501	-48/-55	0.98
Ultrachem Coolant	46	51.4/8.7	146	275/521	-45/-50	0.98

PGR Series: SYNTHETIC PAG-REPLACEMENT COMPRESSOR LUBRICANTS

The PGR Series offers a new approach to synthetic lubricants and high performance in rotary screw air compressors and vacuum pumps. This series utilizes the latest technology available in combination with excellent lubricant additive systems. The PGR Series is a low cost alternative to the coolants listed above. The service life is 6,000+ hours under good operating conditions.

PRODUCT	ISO GRADE	VISCOSITY@ 40°C/100°C	VISCOSITY INDEX	FLASH POINT °C/°F	POUR POINT °C/°F	SPECIFIC GRAVITY
PGR 32	32	36.3/6.7	115	252/486	-39/-38	0.88
PGR 46	46	46.9/7.3	126	254/489	-39/-38	0.88



Chemlube® Plus Series: PAO/POE COMPRESSOR LUBRICANTS

The Chemlube Plus Series are made with a very thermally and oxidatively stable polyol ester (POE) blend. These premium synthetic lubricants are formulated to resist varnish formation under high temperature applications and to be more resistant to acidic intake air than polyalkylene glycol coolants. Under normal operating conditions you can expect to obtain up to 10,000+ hours of lubricant service life in rotary screw compressors.

PRODUCT	ISO GRADE	VISCOSITY@ 40°C/100°C	VISCOSITY INDEX	FLASH POINT °C/°F	POUR POINT °C/°F	SPECIFIC GRAVITY
Chemlube Plus 32	32	32/6.3	125	263/506	-50/-58	0.88
Chemlube Plus 10	46	44.4/7.3	126	261/501	-50/-58	0.89
Chemlube Plus 68	68	66/9.9	132	263/506	-50/-58	0.88

Chemlube® 922, 932, 946, 968, and 9100: POE COMPRESSOR LUBRICANTS

The Chemlube 900 Series are formulated from 100% premium polyol ester (POE) base fluids for extremely long life in compressor applications. These products are greater than 90% biodegradable as measured by the CEC L33 biodegradability test. New additive technology assures long lasting protection. Chemlube 932, 946, and 968 are designed for rotary screw compressors with service life rated for >12,000 hours in most operating conditions. Chemlube 9100 is designed for reciprocating compressors.

PRODUCT	ISO GRADE	VISCOSITY@ 40°C/100°C	VISCOSITY INDEX	FLASH POINT °C/°F	POUR POINT °C/°F	SPECIFIC GRAVITY
Chemlube 922	22	20/4.4	131	241/465	-60/-76	1.05
Chemlube 932	32	34.4/6.0	119	252/485	-57/-70	1.01
Chemlube 946	46	48.5/7.7	125	271/520	-51/-60	0.97
Chemlube 968	68	64.9/9.0	114	266/511	-43/-45	0.96
Chemlube 9100	100	134/13	130	299/570	-34/-29	1.01

Chemlube® Centrifugal Compressor Synthetic Fluid Series

Chemlube CF32 and **CF46** are formulated with the highest quality polyalphaolefin (PAO) base oils. These 100% premium synthetic oils are designed for use in centrifugal compressors. The carefully designed additive package in Chemlube CF oils provide anti-wear properties to protect the bull gears which operate at 1200-3600 RPM. At the same time, the Chemlube CF oils lubricate and protect the high speed (30,000-50,000 RPM) impeller bearings. Chemlube CF oils have been used successfully for many years in large and small centrifugal compressors. They offer a service life of >12,000 hours in centrifugal compressors under good operating conditions.

Chemlube CV is a specially formulated diester-based lubricant designed for use in centrifugal air compressors. Chemlube CV exhibits excellent oxidative stability, anti-wear protection and low temperature performance.

Ultra Gold is designed for use in centrifugal compressors that require an ISO 32 viscosity. It is a 100% synthetic, bio-friendly lubricant based on a thermally and oxidatively stable polyol ester (POE)/polyalkylene glycol (PAG) blend. Ultra Gold was formulated to help prevent rust and copper corrosion and to resist varnish formation. **Ultra Gold should not be mixed with synthetic hydrocarbon or petroleum oils.**

PRODUCT	ISO GRADE	VISCOSITY@ 40°C/100°C	VISCOSITY INDEX	FLASH POINT °C/°F	POUR POINT °C/°F	SPECIFIC GRAVITY
Chemlube CF32	32	31.1/5.8	127	263/506	-48/-54	0.86
Chemlube CF46	46	47.3/7.9	136	275/526	-48/-54	0.86
Chemlube CV	10/15	14/3	120	230/446	-65/-85	0.95
Ultra Gold	32	30.8/6.3	160	227/441	-54/-64	0.99

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PGWI Series: PAG (WATER INSOLUBLE) PREMIUM LUBRICANTS

The PGWI Series are formulated with superior polyalkylene glycol (PAG)-based oils. These premium lubricants are designed for use in compressors and vacuum pumps compressing polar gases, such as NH₃, CO₂, and propane. They offer excellent rust protection resistance and are excellent in wet gas compression. The PGWI Series yield a compressor service life of 8,000 - 10,000 hours under good operating conditions.

PRODUCT	ISO GRADE	VISCOSITY@ 40°C/100°C	VISCOSITY INDEX	FLASH POINT °C/°F	POUR POINT °C/°F	SPECIFIC GRAVITY
PGWI 46	46	46/9.4	191	210/415	-50/-60	0.98
PGWI 68	68	69/12.9	193	230/445	-40/-40	0.98
PGWI 100	100	106/18.9	195	230/445	-40/-40	0.98
PGWI 150	150	154/25.7	195	288/551	-38/-36	0.99
PGWI 220	220	220/34.5	205	294/561	-38/-36	0.99

PGWS Series: PAG (WATER SOLUBLE) PREMIUM LUBRICANTS

The PGWS Series are formulated with premium polyalkylene glycol (PAG) base oils. The PGWS series are designed for use in compressors, vacuum pumps, enclosed gears, bearings, and other applications where unique properties of these fluids are necessary. The PGWS oils are quite popular in natural gas compression where these premium products resist thinning out by hydrocarbon dilution. PGWS lubricants yield a compressor service life of 8,000 - 10,000 hours under good operating conditions.

PRODUCT	ISO GRADE	VISCOSITY@ 40°C/100°C	VISCOSITY INDEX	FLASH POINT °C/°F	POUR POINT °C/°F	SPECIFIC GRAVITY
PGWS 68	68	71/14.4	208	227/440	-46/-50	1.0-1.1
PGWS 100	100	97/18.5	212	227/440	-44/-47	1.0-1.1
PGWS 150	150	142.8/27.1	228	291/555	-42/-44	1.0-1.1
PGWS 220	220	220/38	225	295/563	-37/-35	1.0-1.1

PLATINUM BTG: SILICONE COMPRESSOR LUBRICANT

Platinum BTG a super premium synthetic silicone compressor fluid designed to replace OEM silicone fluids in rotary screw compressors. This product is specially formulated with silicone base fluids and appropriate additives to perform over an extremely long period of time. It is fortified against rust, corrosion, oxidation and wear. Platinum BTG is a direct replacement for OEM silicone-based fluids and may be used to top-off.

PRODUCT	ISO GRADE	VISCOSITY@ 40°C/100°C	VISCOSITY INDEX	FLASH POINT °C/°F	POUR POINT °C/°F	SPECIFIC GRAVITY
Platinum BTG	32/46	39/16	429	302/575	-54/-65	0.96

Compressor System Flush & Cleaners

Ultraclean is a premium quality synthetic fluid designed to dissolve varnish and solubilize sludge from rotary-screw air compressors during operation. It can also be used as a systems flush when changing-over from mineral to synthetic oils in order to reduce contamination due to oil carry-over. Regular use of Ultraclean will help you get the most out of your synthetic oil and your compressor by removing varnish and reducing operating temperature. Ultraclean is safe to use for up to 500 hours in rotary screw applications when used at full strength.

Ultra-Solv is a premium quality, concentrated dispersant cleaner fluid designed to lift varnish and remove sludge. It is used as an additive at 5% to 10% concentration in oil for cleaning many types of industrial systems such as air compressor, vacuum pumps, and Bowser Sumps in paper mills during operation **(Not for use in Ammonia Compressors or with Polyalkylene glycol or silicone fluids)**. It can also be used to help flush a system when changing-over from mineral to synthetic oils in order to reduce contamination due to varnish laydown. Regular use of Ultra-Solv will help you get the most out of your synthetic oil and your equipment by removing varnish and reducing operating temperature.

Ultra Degreaser is an environmentally sound alternative to many industrial cleaner/degreasers. This water based, liquid alkaline cleaner comes ready-to-use on the **outside** of the compressor. Ultra Degreaser dries completely and residue free after rinsing, and is not hazardous, does not add to in-plant volatile organic compounds, is nonflammable, and does not emit fumes or objectionable odors. It passes the EPA's Chronic Toxicity Test and will not harm marine shrimp or fresh water tadpole eggs. It may be applied manually, by spray or pressure spray, or ultrasonics. Excellent for use on cleaning exterior grease and deposits from air compressors. May be used in parts washers, but will foam if agitated excessively. **For external use only. Please ask your sales representative for additional information.**

Ultra Descaler is designed to be used exclusively on the water-side. Ultra Descaler is an inhibited, low foaming mineral acid cleaner for removing hard water scale, rust and other oxides. This product is designed to compete with Rydlyme®, Sublime®, and other similar products. **Please ask your sales representative for additional information.**

PRODUCT	ISO GRADE	VISCOSITY@ 40°C/100°C	VISCOSITY INDEX	FLASH POINT °C/°F	POUR POINT °C/°F	SPECIFIC GRAVITY
Ultraclean	32	37.1/6.5	126	204/400	-45/-49	0.94
Ultra-Solv	46	37/5.6	88	149/300	--	0.92
Ultra Degreaser	--	--	--	190	--	1.03
Ultra Descaler	--	--	--	--	--	1.04

Food Grade Compressor Lubricants



Omnilube® 520, 546, 568, 5131, 640: H-1 PAO COMPRESSOR LUBRICANTS

Omnilube 520, 546, 568, 5131, and 640 are synthetic food grade compressor oils that are formulated with the highest quality polyalphaolefin (PAO) base oils. Omnilube 520, 546, and 568 are designed for rotary screw compressors and offer a service life of 2,000 to 4,000 hours under a wide range of temperatures under good operating conditions. Omnilube 5131 and 640 are designed for reciprocating compressors.

PRODUCT	ISO GRADE	VISCOSITY@ 40°C/100°C	VISCOSITY INDEX	FLASH POINT °C/°F	POUR POINT °C/°F	SPECIFIC GRAVITY
Omnilube 520	32	29.6/6.3	168	249/481	-68/-90	0.83
Omnilube 546	46	45.2/7.8	143	269/516	-48/-54	0.84
Omnilube 568	68	69.5/9.2	145	277/531	-48/-54	0.84
Omnilube 5131	100	108/10.5	145	272/521	-42/-44	0.84
Omnilube 640	150	138/16.0	145	277/531	-37/-35	0.84

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Omnilube® 32/46, 68, 455: H-1 PAO LONG-LIFE COMPRESSOR LUBRICANTS

Omnilube 32/46, 68, and 455 are full 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 anti-wear, thermal stability, and lubricity over the currently available H-1 food grade oils allowing the service life to increase by 50% to 100%. Omnilube 32/46 and 68 are designed for rotary screw and rotary vane and give a service life from 4,000 plus hours under good operating conditions. Omnilube 455 is designed for reciprocating compressors.

PRODUCT	ISO GRADE	VISCOSITY@ 40°C/100°C	VISCOSITY INDEX	FLASH POINT °C/°F	POUR POINT °C/°F	SPECIFIC GRAVITY
Omnilube 32/46	32/46	42/7.6	150	261/501	-50/-58	0.85
Omnilube 68	68	59.7/9.8	150	261/501	-50/-58	0.87
Omnilube 455	100	98.7/14.0	145	275/526	-50/-58	0.85

Omniclean FG: FOOD GRADE CLEANER AND SYSTEM FLUSH

Omniclean FG is a solvent-type, flushing and cleaning oil that can be used in food, beverage and pharmaceutical processing plants in any area where there is a possibility of exposure of the lubricant to edible products.

PRODUCT	ISO GRADE	VISCOSITY@ 40°C/100°C	VISCOSITY INDEX	FLASH POINT °C/°F	POUR POINT °C/°F	SPECIFIC GRAVITY
Omniclean FG	--	8.1/2.37	110	105/221	-35/-37	<1



Ultrachem RPOE Series: POE REFRIGERATION LUBRICANTS

Ultrachem RPOE Series are 100% synthetic lubricants based on high performance polyol ester (POE) technology. This series has been designed specifically for use in demanding refrigeration systems and is compatible with both HCFC and HFC refrigerants including R-134a. These lubricants are available in a range of viscosity grades from ISO 22 to ISO 220.

PRODUCT	ISO GRADE	VISCOSITY@ 40°C/100°C	VISCOSITY INDEX	FLASH POINT °C/°F	POUR POINT °C/°F	SPECIFIC GRAVITY
RPOE 22	22	23.5/4.7	120	252/486	-59/-74	1.00
RPOE 32	32	31.6/5.6	115	250/482	-55/-67	0.99
RPOE 46	46	47.1/7.0	105	258/496	-43/-45	0.97
RPOE 68	68	64.9/8.3	96	256/493	-39/-38	0.97
RPOE 100	100	95.7/10.6	93	271/520	-34/-29	0.97
RPOE 150	150	148/14.1	91	279/534	-27/-17	0.96
RPOE 220	220	221.3/18.1	88	254/489	-28/-18	0.96

Vacuum Pump Lubricants:

Premium Synthetic/Semi-Synthetic/Mineral-Based Fluids for Industrial Vacuum Applications

VP 22 & 32 are designed for use in liquid ring vacuum pumps. They are based on severely hydro-treated paraffinic oils with a superior additive package that includes antioxidants, anti-wear additives, corrosion protection and pour point depressants. They are compatible with petroleum oils and PAO's.

VP 46, 68, 100, & 150 are highly refined, premium non-detergent oils designed for vacuum pump use. These oils are characterized by outstanding lubricating performance where temperature and loads are moderate. They have excellent oxidation resistance and water separation.

VPFG 100 is a synthetic food grade oil. A polyalphaolefin (PAO) custom blend fluid for improved lubrication at high temperatures and low temperatures. This oil provides reduced volatility and is compatible with mineral oils.   

VPSH 46, 68, & 100 are synthetic PAO fluids which offer excellent protection against wear, rust, and corrosion. They are non-foaming and have excellent resistance to the formation of emulsion. VPSH 46, VPSH 68, & VPSH 100 are stable at high temperatures but also provide superior low temperature flow characteristics.

VPS3 68 & 100 are semi-synthetic oils designed to provide long life under extreme conditions. They provide protection against wear, rust, and corrosion. VPS3 68 & VPS3 100 resist oil breakdown due to oxidation and have excellent water resistance. These oils have low vapor pressure, low evaporation loss, and high oxidative, thermal and viscosity stability.

VPDE 68 & 100 are fully synthetic diester oils designed for long term lubrication in rotary vane vacuum pumps. They provide outstanding thermal and oxidative stability, a wide temperature range and excellent water condensate separation.

VPGB 220 is a synthetic, high performance gear oil formulated for an array of medium to heavy duty applications. It is suitable for heavy duty ball and roller bearings. This oil provides optimum performance for a wide temperature range and exhibits excellent thermal and oxidative stability.

PRODUCT	ISO GRADE	VISCOSITY@ 40°C/100°C	VISCOSITY INDEX	FLASH POINT °C/°F	POUR POINT °C/°F	SPECIFIC GRAVITY
VP 22	22	22.9/4.1	77	193/380	-40/-40	0.86
VP 32	32	34/5.5	9.2	215/480	-35/-31	0.86
VP 46	46	45/7.3	120	210/410	-37/-34	0.87
VP 68	68	69/9.3	112	217/424	-34/-29	0.87
VP 100	100	95/11.5	95	226/439	-29/-20	0.86
VP 150	150	142.5/13.1	95	232/450	-29/-20	0.87
VPFG 68	100	59.7/7.6	150	261/501	-50/-58	0.87
VPFG 100	100	95.2/12.8	133	260/500	-45/-49	0.84
VPSH 32	32	31.1/5.75	127	240/464	-48/-55	0.86
VPSH 46	46	47.3/7.9	136	240/464	-48/-55	0.86
VPSH 68	68	68.6/10.1	132	248/460	-48/-55	0.86
VPSH 100	100	95.2/12.8	133	260/500	-45/-49	0.87
VPS3 32	32	36.6/6.5	130	252/486	-42/-44	0.85
VPS3 68	68	67/9.9	132	240/464	-33/-27	0.86
VPS3 100	100	95/12.4	124	240/464	-31/-23	0.86
VPDE 68	68	70/7	60	252/485	-38/-35	0.96
VPDE 100	100	99/10.2	83	260/500	-29/-20	0.95
VPGB 220	220	230/24.1	131	262/504	-35/-31	0.87

AIR COMPRESSOR & VACUUM PUMP LUBRICANTS

Generic Packaged Products

These select products come packaged universally, ready for immediate distribution without any dedicated Ultrachem marks. This allows us to offer a portion of our premium fluids in smaller quantities at competitive pricing.

Synthetic PD Blower Oils

Ultrachem Synthetic PD Blower Oils are synthetic lubricants designed to provide excellent performance in all types of positive displacement blowers. The unique additive system in these fluids gives greatly increased thermal and oxidative stability over petroleum oils and also provides anti-wear properties.

The PAO base fluid in Ultrachem Synthetic PD Blower Oils offers many performance advantages such as extended lubricant life which allows for fewer oil changes and less used oil disposal, excellent film strength, high flash point to help reduce fire hazards, reduced oil consumption, low pour point for easy operation in cold weather, superior high temperature stability relative to petroleum oils and excellent materials compatibility with plastic and rubber parts.

Ultrachem Synthetic PD Blower Oils are available in generically labeled 12 quart case and 6 (1) gallon case quantities ready for labeling with your company information.

PRODUCT	ISO GRADE	VISCOSITY@ 40°C/100°C	VISCOSITY INDEX	FLASH POINT °C/°F	POUR POINT °C/°F	SPECIFIC GRAVITY
SYN PD BLOWER 220	220	225.1/23.4	128	262/504	-42/-44	0.85
SYN PD BLOWER 320	320	319/30.5	132	270/518	-40/-40	0.85

SAE 30 & 40: Premium Compressor Lubricants (Quart Sizing)

SAE 30 Compressor Lubricant is a high performance lubricant and is considered environmentally friendly since it is zinc free. Ultrachem offers this premium petroleum oil as a choice when a lower cost petroleum product is desired. It is also useful where frequent change outs are necessary due to poor environments prone to contamination from dust, acids, solvents, moisture, or other contaminants. SAE 30 Compressor Oil has a service life of up to 2,000 hours in reciprocating compressors.

The SAE 40 Compressor Oil is a 100% synthetic lubricant specifically designed for use in upper cylinders and crankcases of reciprocating units. This compressor oil is formulated with premium diester base oils that extend the service life of the oil to 8,000 hours under good operating conditions.

Ultrachem SAE 30 & 40 compressor lubricants are available in generically labeled 12 quart case quantities ready for labeling with your company information.



PRODUCT	ISO GRADE	VISCOSITY@ 40°C/100°C	VISCOSITY INDEX	FLASH POINT °C/°F	POUR POINT °C/°F	SPECIFIC GRAVITY
Generic SAE 30	100	96/11.3	104	254/490	-18/-0	0.87
Generic SAE 40	150	146.5/13.3	90	271/520	-34/-30	0.94



ULTRACHEM INC.
PREMIUM SYNTHETIC LUBRICANTS

900 Centerpoint Boulevard
New Castle, DE 19720
P: 302.325.9880
F: 302.325.0335
E: info@ultracheminc.com
W: www.ultracheminc.com





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