

MOLYKOTE® Compressor and Vacuum Pump Oils

Features

- Lower overall maintenance costs
- Wider temperature range
- Longer oil-drain intervals
- Reduced lubricant consumption
- Extended equipment lifetime
- Reduced energy consumption
- Long life reduces lubricant usage, maintenance costs

Composition

- Mineral oil (MO), polyalphaolefin (PAO), polyalkylene glycol/polyolester (PAG/POE), diester (DE) and mineral oil/diester (MO/DE) based lubricants

Typical properties

Specification writers: These values are not intended for use in preparing specifications. Please contact your local MOLYKOTE® sales representative prior to writing specifications on this product.

MOLYKOTE® brand Product	NSF Status ⁽¹⁾	ISO Grade	Viscosity @ 40°C, cSt	Viscosity @ 100°C, cSt	Viscosity @ 100°F, cSt	Viscosity @ 210°F, cSt	Viscosity Index	Flash Point, °F	Fire Point, °F	Pour Point, °C	Spec Grav @ 20°C, g/ml	Density @ 20°C, lb/gal	Base Oil	Additive Package
Air Compressor Oil														
L-1232FM Synthetic Compressor Oil	H-1	32	30.2	5.7	33	5.8	138	465	515	-60	0.826	6.87	PAO	R&O
L-1232 Synthetic Compressor Oil	H-2	32	30.1	5.7	32.9	5.8	144	470	520	-60	0.835	6.95	PAO	R&O
L-0246 Compressor Oil	H-2	46	46.6	6.8	51.7	7	100	440	450	-18	0.863	7.18	MO	R&O
L-1246FM Synthetic Compressor Oil	H-1	46	47	7.9	51.6	8.1	138	475	525	-42	0.829	6.9	PAO	R&O
L-1246 Synthetic Compressor Oil	H-2	46	44.2	7.7	48.5	7.8	138	515	535	-57	0.838	6.97	PAO	R&O
L-3246 Synthetic Compressor Oil	H-2	46	48.2	9.4	52.4	9.6	183	525	540	-45	0.974	8.11	PAG/POE	R&O
L-4646 Synthetic High Temp Compressor Oil	H-2	46	48.1	7.4	53.3	7.3	111	550	570	-42	0.947	7.88	POE	R&O
L-1268 Synthetic Compressor Oil	H-2	68	62	9	60	9	121	520	580	-54	0.840	6.99	PAO	R&O
L-1210 Synthetic Compressor Oil	H-2	100	98	14	108	14	145	520	550	-48	0.841	7	PAO	R&O
L-4610 Synthetic Blend Piston Compressor Oil	H-2	100	91.7	11.1	103.4	11.4	101	500	520	-15	0.880	7.52	MO/DE	R&O
L-4611 Synthetic Reciprocating Compressor Oil		100	98	9.5	112	9.8	62	515	555	-28	0.960	8.03	DE	R&O
Vacuum Pump Oil														
L-1668FM Synthetic Blend Vacuum Pump Oil	H-1	68	63.1	9	70	9.3	113	445	465	-18	0.856	7.12	PAO/MO	R&O
Ammonia Compressor Oil														
L-0668 Ammonia Refrigeration Compressor Oil	H-2	68	63	6.7	65.4	6.9	59	345	360	-30	0.897	7.46	MO	None
Special Purpose Fluids														
L-1605FM Synthetic Barrier Fluid	H-1	5	5.3	2	5.6	2	124	320	345	-60	0.8	6.66	PAO	None
L-4640 Synthetic Compressor Flush Fluid	H-2	32-46	38.6	5.7	42.4	5.8	65	445	520	-42	0.963	8.01	DE	R&O
L-0268 Process Gas Oil	-	68	68	9	76	9	102	420	470	-33	0.848	7.06	MO	C1
L-1510 Process Gas Oil	-	100	100	14	111	14	138	520	572	-30	0.838	6.97	PAO	C1
L-1568 Process Gas Oil	-	68	68	10	75	10	140	516	567	-30	0.834	6.94	PAO	C1

⁽¹⁾The H-1 designation indicates the lubricated part can have incidental food contact not to exceed 10 ppm. The H-2 designation indicates the lubricated part cannot have contact with food.

Description

MOLYKOTE® Compressor and Vacuum Pump Oils are formulated to meet or exceed the performance of all comparable OEM fill products. MOLYKOTE® offers solutions for a variety of applications and equipment, including rotary and reciprocating equipment; screw, vane, centrifugal and piston compressors; and vacuum pumps and blowers. MOLYKOTE® supports oil analysis to ensure that the right product is used for each application and that product and equipment life and performance is maximized.

How to use

Follow equipment manufacturer's recommendations for maintenance procedures and oil specifications.

To ensure the longest possible life for lubricating fluids, sample analysis is recommended. When utilized on a regular basis, sample analysis can track normal aging and depletion of additives in lubricating fluids. Sample analysis can identify abnormal contamination that may be limiting lubricant life. Contact MOLYKOTE® customer service for additional information.

Listing and specifications

MOLYKOTE® Compressor and Vacuum Pump Oils are kosher approved and conform to USDA/NSF listing requirements under H-1 or H-2 designations (see Typical Properties table). An H-1 designation indicates the lubricated part can have incidental food contact not to exceed 10 ppm. An H-2 designation indicates the lubricated part cannot have contact with food.

Handling precautions

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION.

Usable life and storage

MOLYKOTE® Compressor and Vacuum Pump Oils have a shelf life of 60 months from date of manufacture. Refer to product packaging for "Use By" date.

Packaging

This product is available in different standard container sizes. Detailed container size information should be obtained from your nearest MOLYKOTE® sales office or MOLYKOTE® distributor.

Limitations

Do not mix MOLYKOTE® L-3246 Synthetic Compressor Oil with mineral oil or PAO-based lubricants. This PAG-based product is not compatible with mineral oil or PAO lubricants.

MOLYKOTE® L-0268, L-1568 and L-1510 Process Gas Oils are intended for use in compressors or vacuum pumps handling corrosive gas such as HCl or methyl chloride. Because these products are not formulated with antioxidants, the total amount of oxygen should be no more than 2% of the gas stream.

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