


LUBRICATING OILS AND FLUIDS

Product	ISO VG	Registration Number NSF	Base oil	Indicative Range (1) (hours)	Pour Point (°C)	Flash Point Open Cup (°C)	Volumetric Mass at 15°C (Kg/dm3)	Viscosity Index	Characteristics and Fields of Application
Compressor fluids									
MOLYKOMP FG 	32	147120	PAO	V: 6000	-51	225	0,835	141	Fully synthetic oil for rotary and reciprocating air compressor, adapted for vacuum pumps. ISO VG 46 and 100 registered NSF .
	46			PA: 3000	-48	230	0,840	140	
	68			PI: 3000	-46	232	0,845	139	
	100	147121	-43	233	0,850	137			
	150		-37	245	0,855	137			
MOLYKOMP IR 46	46		PAG	V: 8000	-50	>250	0,973	170	Fully synthetic oil with PAG base. Specially studied for Ingersoll Rand SSR screw compressor. The excellent performance allows to reach 8000 hr as working time. It is not possible to mix with all type of oil, either mineral or synthetic.
MOLYKOMP PE	32		PAO ESTER	V: 8000	-56	>250	0,875	110	Fully synthetic oil for rotary, reciprocating compressor and rotary vacuum pump. The life time is between 8000/24000 hr depending from the type and the application. It is possible to mix with all type of oil either mineral and synthetic but not with the PAG oil.
	46			PA: 5000	-54	>250	0,876	109	
	68			PI: 4000	-52	>250	0,881	109	
	100			-48	>250	0,892	112		
	150			-46	>250	0,902	111		
MOLYKOMP SE	32		ESTER	V: 8000	-54	>250	0,930	116	Fully synthetic high performance fluids, studied for the reciprocating and rotary compressors working is several conditions. Totally without any carbon residual also in a critical condition, it avoids with its characteristic the " hot point" that can generate the explosion. The high performance allows the start-up, also low temperatures. It is possible to mix with all type of oil, either mineral or synthetic but not with PAG oil.
	46			PA: 5000	-51	>250	0,930	115	
	68			PI: 4000	-45	>250	0,930	75	
	100			-36	>250	0,962	89		
	150			-31	>250	0,965	90		
MOLYKOMP SE VP	100		ESTER	5000	-34	260	0,957	80	Fully synthetic fluids studied for rotary and reciprocating vacuum pump, working in extreme condition. Low evaporation allows the reduction of oil consumption. Can reach 5000 hr as working time. We suggest to avoid to mix with other lubricant otherwise we can loose the high performance and quality. It is possible to mix with all type of oil, both mineral and synthetic but not with PAG oil.

(1) Following the oil change intervals are recommended. The intervals indicated in the table refer to conditions of use "normal"; for a strictly use, dependent on the severity of the cycle, the quality and air temperature, the ambient conditions, warm and moist climates, we recommend a range of exchange rates reduced. Periodic analysis of the oil can locate the correct number of hours of use.

Legend: V= Screw Compressors; PA= Vane Compressors; PI= Alternative Compressors

Product	ISO VG	Registration Number NSF	Base oil	Indicative Range (1) (hours)	Pour Point (°C)	Flash Point Open Cup (°C)	Volumetric Mass at 15°C (Kg/dm3)	Viscosity Index	Characteristics and Fields of Application
MOLYKOMP SE MP	68		ESTER	PA: 5000	-42	>235	0,955	130	Fully synthetic oil for rotary vane compressors (Mattei type) working in several conditions. Totally without any carbon residuals also in a critical condition, avoiding with its characteristic the "hot point" that can generate the explosion. The high performance allows an easy start-up also at low temperature. It is possible to mix with all type of oil, either mineral or synthetic, but not with PAG oil.
MOLYKOMP SE P	100 150		ESTER	4000	-36 -30	>260 >260	0,950 0,965	70 70	Fully synthetic oil with high performance, specially studied for high pressure reciprocating compressors for breathing air. Due to its characteristics it is suggested for the vacuum pumps. The high thermal stability allows to produce a very low amount of CO and CO2 (regulation STANAG 1097). It is suggested for different applications like scuba, hyperbaric chambers, pharmaceutical and medical applications. It is possible to mix with all type of oil, either mineral or synthetic, but not with PAG oil.
SYNTOIL	32 46 68 100		PAO ESTER	V: 8000 PA: 5000 PI: 4000	-54 -51 -45 -36	>230 >230 >230 >230	0,855 0,855 0,895 0,895	140 170 170 130	High performance synthetic oil containing detergent and antioxidant additives for rotary and reciprocating compressors and vacuum pumps working also at very high and low temperature. It is possible to mix with all type of oil, either mineral or synthetic, but not with PAG oil.
MOLYKOMP SX	32 46 68		SYNTHETIC	V: 4000	-30 -30 -30	>230 >230 >230	0,875 0,877 0,880	101 101 106	Fully synthetic oil for rotary screw compressors, also two-stage and vacuum pumps. It is possible to mix with all type of oil, either mineral or synthetic, but not with PAG oil.


(1) Following the oil change intervals are recommended. The intervals indicated in the table refer to conditions of use "normal"; for a strictly use, dependent on the severity of the cycle, the quality and air temperature, the ambient conditions, warm and




Legend: V= Screw Compressors; PA= Vane Compressors; PI= Alternative Compressors








Protective fluids

Product	ISO VG	Micron thick film	Base oil	Covering Power (m2/lt)	Pour Point (°C)	Flash Point (°C)	Volumetric Mass at 15°C (Kg/dm3)	Viscosity Index	Characteristics and Fields of Application
OCB CS		65	WAXY	8 - 10		>60	0,850		Fluid containing protective wax, selected for long-term anti-rust treatment waxy components stored outdoors in a hostile environment. It has moderate dehydrating properties. Ideal for the protection of the pieces intended for carriage by sea.
WFK	29	2,5	OILY	90	-8	>220	0,880		Anti-rust oil and lubricant for protection in average duration of moulds, tubes stored indoors.

Oils and fluids of conveyors chains

Product	ISO VG	Registration Number NSF	Base oil	Operating temperature range(°C)	Pour Point (°C)	Flash Point Open Cup (°C)	Volumetric Mass at 15°C (Kg/dm3)	Viscosity Index	Characteristics and Fields of Application
MOLY CHAIN AL 	150 220 320 460	148191 148192 139428 148193	PAO	max 250	-42 -40 -40 -37	>220 >230 >250 >250	0,850 0,858 0,860 0,862	126 121 118 117	High performance fully synthetic oil, for transmission chain, conveyor chain working in high loads, high temperature and in humidity presence. Studied for pharmaceutical and food industry where is required a non-toxic oil with NSF register code number H1 group .
ERRE 9	220		ESTER	-20 +250	-30	>240	0,955	127	High performance fully synthetic oil. Without silicon, it is able to resist to high temperatures and loads. Studied for conveyors and transmission chains working at high temperature. It finds application in automotive, textile conveyor chains and all the other type of chains where is required an high stability oil at high temperatures.
ERRE 19	320		ESTER	-25 +250	-40	>250	0,945	130	High performance fully synthetic oil. Without silicon, it is able to resist to the high temperature and loads. Studied for conveyors and transmission chains working at high temperature. It finds application in automotive, textile conveyor chains and all the other type of chains where is required an oil with high stability at high temperature.
IDROLVERN PLUS	150		SYNTHETIC	-20 +200	-40	>250	1,050	220	Synthetic fluid forms a thin film resistant at medium-high load. Water soluble lubricant for chains of plants dip painting, miscible and compatible with water-based paints.
LUBE PTFE	46		SYNTHETIC	-20 +180	-45	>205	0,840	140	High fluidity lubricant with PTFE. Great penetrating power, it is able to protect from the oxidation and corrosion, resistant to high temperature and water resistant. It is used to lubricate transmission chains, sliding guides and cables.
MF/L (ISO VG 100) MF/M (ISO VG 220) MF/H (ISO VG 320)	100 220 320		SEMI- SYNTHETIC	-20 +250 (oily layer) -20 +400 (oily dry)		>200 >200 >200	0,900 0,900 0,900	100 100 100	Stabilized colloidal dispersion of molybdenum disulphide in semi-synthetic fluid, silicon free. It is suggested for: conveyor, overhead conveyor roller provide in a tunnel in medium speed. Anti drop for systems with automatic lubrication.
MK SPECIAL	32 46 68 100 150 320 460 680		MINERAL		-20 -18 -16 -14 -12 -4 -4 -4	228 230 240 246 250 260 260 260	0,868 0,872 0,878 0,889 0,894 0,908 0,910 0,915	103 103 102 102 102 100 98 103	Product with mineral lubricant especially selected, high adhesiveness, containing solid lubricants. It is suggested where it is required an anti-drop oil.
RSM 9	220		ESTER	-20 +250 (peak up to 450 °C)	-30	>240	0,950	127	Synthetic fluid containing stabilized colloidal dispersion of molybdenum disulphide, for limit lubrication. Suggested for: chains, bearings, conveyor rollers provide in ovens or dryers. It provides excellent wear protection in presence of high specific loads at very high temperatures.

Product	ISO VG	Registration Number NSF	Base oil	Operating temperature range (°C)	Pour Point (°C)	Flash Point Open Cup (°C)	Volumetric Mass at 15°C (Kg/dm3)	Viscosity Index	Characteristics and Fields of Application
RSM 19	320		ESTER	-20 +250 (peak up to 450 °C)	-40	>250	0,945	130	Synthetic fluid containing stabilized colloidal dispersion of molybdenum disulphide, for limited lubrication. Suggested for: chains, bearings, conveyor rollers provide in oven or dryers. Anti-wear properties also in high loads and at high temperature.
MOLYSIL FLUID 200/2	2		SILICON	-40 +200	-100	>85	0,872		Pure silicon fluid. It is suggested as: hydraulic oil, release agents, lip for plastic, dielectric fluids. Lubricant fluids for different sectors, suitable also for food industry.
MOLYSIL FLUID 200/50	50			-40 +250	-52	>250	0,960		
MOLYSIL FLUID 200/100	100			-40 +250	-52	>250	0,970		
MOLYSIL FLUID 200/350	350 (a 25°C)			-40 +250	-47	>250	0,970		
Textile sector fluids									
MOLY CHAIN	100		ESTER	-10 +250	-18	>250	0,910	150	Synthetic fluid clear. It forms a thin transparent film resistant to medium-high loads and temperatures. Suitable for chains, bearings into the textile industry, working in severe or aggressive condition.
	150				-16	>250	0,920	150	
	220				-16	>250	0,950	140	
	320				-15	>250	0,945	130	
	460				-15	>250	0,940	130	
MOLY TISS	22		ESTER		-30	>280	0,870	130	Washable synthetic oil with high performance. It has anti-static properties. Suggested for circular knitting machines, spindles lubrication, where it is required a washable oil.
	32				-30	>280	0,872	130	
	46				-30	>280	0,875	125	
	68				-30	>280	0,880	125	
RAM W	46		SEMI-SYNTHETIC		-18	>250	0,855	110	Semi-synthetic oil, clear, adhesive with strong anti-drop, anti-rust, anti-wear properties. It leaves a clear film resistant to loads. Suggested for gears, bearings, guides of textile and food industry.
Pharmaceutical food sector fluids									
FLUID FOR FOOD 	15	143117	MINERAL FU	-5 +100	-10	185	0,845	105	Extra refined vaseline oil. Suitable for lubrication of food and pharmaceutical plants where conditions are required to be absolutely non-toxic. Product code registered with NSF H1 and 3H (only grades 32, 46, 68) .
	32	143118			-11	200	0,850	103	
	46	143120			-11	205	0,855	101	
	68	140393			-12	220	0,865	100	
HYDRO SINT 	32	142921	PAO	-40 +120	-50	230	0,840	140	Synthetic non-toxic lubricant with PAO base. High viscosity index, low pour point, anti-wear, anti-rust, excellent antioxidant properties and thermal stability. It is suggested for hydraulic bearings working in very low or high temperature. Long life lubricant. Product code registered with NSF H1 group .
	46	142922			-50	232	0,840	140	
	68	142923			-45	235	0,840	150	
MOLY CHAIN AL 	150	148191	PAO	-35 +250	-42	>220	0,850	126	Fully synthetic non-toxic lubricant with high performances, resistant to loads and high temperatures. Suitable for chains, conveyor roller bearings, conveyor chains working in the pharmaceutical and food industry, although operating at high temperature and high humidity. Product code registered with NSF H1 group .
	220	148192			-40	>230	0,858	121	
	320	139428			-40	>250	0,860	118	
	460	148193			-37	>250	0,862	117	

Product	ISO VG	Registration Number NSF	Base oil	Operating temperature range (°C)	Pour Point (°C)	Flash Point Open Cup (°C)	Volumetric Mass at 15°C (Kg/dm ³)	Viscosity Index	Characteristics and Fields of Application
MOLYKOMP FG 	32	147120	PAO	-40 +120	-51	225	0,835	141	Non-toxic synthetic oil for air compressors, suggested also for vacuum pumps, where it is required a non-toxic lubricant. ISO VG 46 and 100 registered NSF H1 .
	46							140	
	68							139	
	100	137							
	150	137							
MULTISBLOC FG 		147119		-12 +140	-12	75	0,770		Non-toxic unlocking fluid with penetrating lubricants and protective properties. Used in various applications in the food, cosmetic, pharmaceutical industry where the lubricant can get in touch with the product. It leaves a lubricating film on the treated parts as protective and lubricant agent. Product code registered with NSF H1 group .
SPECIAL FG 	5	147122 147123	PAO	-55 +140	-68	160	0,805	100	Non-toxic synthetic fluid for pneumatic lines used in food industry where it is possible to get in touch with the processing product. Excellent lubricant, it creates a film that is resistant to the heavy load and high temperature. It is used where it is required a fluid lubricant in a pneumatic equipment. ISO VG 15-22 and 100 registered NSF H1 group .
	10							120	
	15							120	
	22							135	
SPECIAL MB 	32	147413	MINERAL FU	-10 +120	-27	210	0,850	111	Non-toxic white mineral oil, adhesive used in various applications in food industry where it is possible to get in contact with the processing product. It provides excellent lubricity and resistance to loads and temperatures. It is suggested for use in packaging machines, open gears, chains where it is needed a white, adhesive and anti-wear lubricant. Product code registered with NSF H1 group .
	46	147414						110	
	68	147415						110	
	100	149002						107	
	150	149003						105	
	220	149004						107	
	320	149005						107	
	460	149006						109	
680	149007	110							
DLID ELEFANT  	22	147548			-35	>100	1,095		Inert and non-toxic solution with high penetrating power. Descaling for sugar and sugary substances of machines operating in the food and pharmaceutical industry. Product code registered with NSF H1 group and INS H1 (n° reg. 1796187) .
SPECIAL TF OIL	22			-25 +250	-35	84	0,879		Synthetic base fluid with micronized PTFE, developed to clean, lubricate and protect metal surfaces operating in hard conditions, even in presence of abrasive or corrosive conditions. Applicable by brush or spray.
GEAR SINT SX 	32	140625	PAO	-30 +140	-48	>200	0,840	140	Synthetic oil with PAO base, equipped with a high viscosity index, low pour point, anti-wear EP and anti-rust additives. High thermal stability, suggested for gears, bearings working in extreme temperature changes. Product code registered with NSF H1 group .
	46	140626						140	
	68	140627						150	
	100	140628						150	
	150	140629						150	
	220	140630						160	
	320	140631						173	
	460	140632						170	
680	140633	175							

3560	460		SYNTHETIC	-20 +160	-10	>200	0,900	120	Synthetic non-toxic oil with high adhesion and EP, anti-wear, anti-oxidant additives. Suitable for the lubrication of mechanical operating in the food and pharmaceutical industries. Anti-drop properties.
MPM	100 150		MINERAL		-14 -12	246 250	0,889 0,894	102 102	Special non-toxic oily compound with high natural demulsivity with EP and anti-wear additives. Suitable for machines for apple, pears peeling. It ensures total oil water separation in a short time.
ORION	150		SYNTHETIC		-20	>200	0,990		Synthetic non-toxic lubricants with EP, anti-wear and anti-oxidant additives. Suitable for the lubrication of conveyor sole present in the food industry, subject to washing with aggressive substances.
MOLY TENDER			MINERAL FU		-10	>200	0,920		Inert and non-toxic solution with high penetrating power. Descaling for sugar and sugary substances of machines operating in the food and pharmaceutical industry.
SED LUBE	200 (a 100 °C)		SYNTHETIC		-10	>270	0,900	>110	Synthetic, non-toxic, clear and highly adhesive lubricant, with E.P., anti-oxidant and anti-rust additives. Application: sliding movements and worms gears, although operating in contact with the water or other fluids. It reduces the noise of gears.

Bearing and gear lubrication fluids

GEAR SINT	32 46 68 100 150 220 320 460 680 1000		PAG	-30 +170	-45 -45 -35 -42 -45 -36 -30 -27 -22 -20	200 210 220 220 225 225 230 230 230 230	0,997 0,997 0,998 0,998 0,998 0,999 1,000 1,000 1,000 1,000	150 180 200 200 210 200 210 220 260 286	Synthetic fluid with PAG base, high lubricity containing EP, anti-wear and anti-oxidant additives. Suitable for "long life" gears and gears box working with medium-high loads and high temperatures. Compatible with seals, paints or other materials designed for use with PAG fluids.
GEAR SINT BIO	150 220 320 460		SYNTHETIC ESTER	-15 +110	-20	280	0,962 0,965 0,997 1,010	135 143 145 145	Fluids based on biodegradable synthetic esters and special additives with outstanding EP properties and antioxidants. Suitable for lubrication "long life" of gears and bearings, also operating in severe service, whenever prompted an oil that does not damage the vegetation and ground water. DIN 51517 p.3 CLP; ISO L-CDK; FZG load stage 12.
GEAR SINT EP	68 100 150 220 320 460		PAO	-30 +130	-45 -41 -40 -37 -32 -30	>200 >200 >200 >200 >200 >200	0,840 0,860 0,870 0,890 0,900 0,910	140 150 150 160 170 170	Synthetic high quality oil with PAO base and special EP additives. Specially studied for the lubrication of heavy loaded gears, bearings and linkages operating at very low or very high temperature. Suitable for chemical, metallurgic, paper, textile, plastic industry etc..
GEAR SINT SX	32 46 68 100 150 220 320 460 680	140625 140626 140627 140628 140629 140630 140631 140632 140633	PAO	-30 +140	-48 -48 -45 -42 -40 -37 -32 -30 -30	>200 >200 >200 >200 >200 >200 >200 >200 >200	0,840 0,840 0,840 0,860 0,870 0,890 0,900 0,900 0,915	140 140 150 150 150 160 173 170 175	Synthetic oil with PAO base, equipped with a high viscosity index, low pour point, anti-wear, anti-rust additives. High thermal stability, suggested for gears, bearings working in extreme temperature changes. Product code registered with NSF H1 group.

Product	ISO VG	Registration Number NSF	Base oil	Operating temperature range (°C)	Pour Point (°C)	Flash Point Open Cup (°C)	Volumetric Mass at 15°C (Kg/dm3)	Viscosity Index	Characteristics and Fields of Application
GEAR SINT XE	68		SEMI-SYNTHETIC	max 150	-27	240	0,875	101	Semi-synthetic oil with special EP additives, studied for gear boxes working with heavy loads and high temperatures. They can also be used on heavily loaded bearings, bushes and supports. High prevention against the micro-pitting. It meet the manufacture's requirements FLENDER. It exceeds specification: ISO-L.CKC, AGMA 250.04, US Steel 224 and DIN 51517 pary 3 CLP.
	100				-27	244	0,880	102	
	150				-24	250	0,890	101	
	220				-24	253	0,895	101	
	320				-24	258	0,900	103	
	460				-21	260	0,905	114	
	680				-21	265	0,910	116	
1000		-21	270	0,915	180				
SED LUBE	200 (a 100 °C)		SYNTHETIC		-10	>270	0,900	>110	High viscosity synthetic oil, non-toxic clear adhesive, anti-wear, anti-rust with EP additives. Suitable for sliding and worm gear working in water condition also at medium temperatures. It reduces noises.
General application fluids									
MOLY K EP	10		MINERAL		-22	150	0,850	--	Mineral fluids with strong capability EP, containing a percentage of molybdenum disulphide. Suitable for gears and gearboxes in carter working with high loads and temperatures.
	15				-24	220	0,854	102	
	32				-20	228	0,868	102	
	46				-20	234	0,873	102	
	68				-18	240	0,878	102	
	100				-16	244	0,887	101	
	150				-12	250	0,892	100	
	220				-8	258	0,898	99	
	320				-6	260	0,904	98	
	460				-4	260	0,906	96	
680		-4	280	0,910	94				
MOLY KM	32		MINERAL		-20	228	0,868	102	Mineral fluids highly selected clear stickers with excellent stability even at low temperature. Suitable for general lubrication of industrial machinery operating in normal conditions of temperature, loads and speed.
	46				-20	234	0,872	103	
	68				-18	240	0,883	104	
	100				-16	244	0,889	102	
	150				-12	250	0,894	102	
	220				-8	258	0,901	101	
	320				-6	260	0,908	100	
460		-4	260	0,910	100				
GUIDE WRST 68	68		MINERAL		-18	240	0,880	104	Oil for machine tool guides with excellent emulsion separates from property so as to prevent contamination of the same.
CALIBRATION A	2,5		MINERAL			>93	0,828		Fluid with special physical and chemical characteristics and constant viscosity within narrow limits. Formulated for the calibration of the injection facilities. Employable for diesel engines inactive for a long time. ISO 4113 SAE J 967 and BOSH 155665OL.
HT 5	100		MINERAL		-10	>200	0,890	90	Stabilized colloidal dispersion of molybdenum disulphide with additives, anti-oxidants, anti-foam in mineral oil. It is used as an additive for cutting oils and speed reducers.

Product	ISO VG	Registration Number NSF	Base oil	Operating temperature range (°C)	Pour Point (°C)	Flash Point Open Cup (°C)	Volumetric Mass at 15°C (Kg/dm3)	Viscosity Index	Characteristics and Fields of Application
APS						>200 (concentrated)	0,980		Product free from silicon compounds to be used in aqueous dilution specially formulated to facilitate the release of plastic products from the moulds, as well as avoid the breakage of the wire when the welding operation continues.
MOLY WAS						>200 (concentrated)	0,980		Odorless water-based fluid, containing no silicon and free from aggressive agents. Used as anti-spatter welding. Suitable as a mould release of plastics that requires subsequent painting operations.
MULTISBLOC	10,2					>73	0,840		Unlocking fluid with anti-rust, penetrating with light lubrication power. For oxidized bolts, pins, bearings blocked by rust.
RUST CLEANER 30	10,2				-15	>73	0,810		Descaling fluid and rapid unlocking effect, removes rust and water residues. Suitable for oxidized mechanisms, bolts pins blocked by rust.
SAFETYCUT 3	15		MINERAL		-30	easily infammabile	1,030		Cutting oil for ferrous metals with excellent anti-seizing properties, lubricity and cooling action. Long service for tools and excellent surface finishes. Suitable for drilling, tapping, thread and cutting steel at low and medium workability.
TMW 77			AMINES		-10	not infammabile	1,000		Mixture degreaser and disinfectant for extreme circuit cleaning of machine tools operating with water-based lubricating coolants.
THERMOFLUID 100	100 (a 25 °C)		SILICON	-35 +250 (open vessel systems)	< -50	>310	0,970		Pure silicon fluid, suggested as heat transfer fluid, suitable also as lubricants for different fields included food industry. Working temperature till 250°C in air presence and 300°C in sealed systems.
THERMOFLUID SF 32	29,6		SYNTHETIC	-10 +345	-32	170	1,011		Thermal synthetic oil, high thermal stability and resistance to oxidation. Suitable for closed circuits. Suggested also for the thermal electric heating. Max working temperature +345°C. (in a closed circuits).
THERMOFLUID SF 19	19		SYNTHETIC	-10 +290	-40	>200	0,872		Thermal synthetic oil, very high thermal stability and resistance to oxidation. Suitable for closed or open circuits, specially operating at low pressure, like thermal electric heating. Max working temperature +290°C (in a close d circuits).
HYDRO BD	32 46 68		SYNTHETIC ESTER	-15 +80	-28 -27 -27	302 305 306	0,910 0,920 0,930	185 183 181	Biodegradable hydraulic oil fire resistant, self-extinguishing. Suitable for hydraulic circuits working near heat sources where it exists a fire hazard.
SLM			SOLVENTS		-35	easily infammabile	1,150		Degreasing solvent suitable for cleaning from any type of grease, wax and dirty of all kinds. Suitable for electrical motor, generators and alternators etc..

Legend PAG = POLYALKYLENE GLYCOL
PAO = POLYALPHAOLEFINES