ELKALUB

Hochleistungs-Schmierstoffe
High Performance Lubricants

Lubricants

general product survey

Lubricating oils

Mineral oils

Designation	ISO VG	Temp. (°C)	to be used for
LFC 1010	10	-20 / +80	Pn, Sp
LFC 1022	22	-15 / +100	Pn, Hy
LFC 1032	32	-15 / +120	Pn, Hy
LFC 1046	46	-15 / +120	Hy, Um, Ge
LFC 1068	68	-10 / +120	Hy, Um, Ge, Ke
LFC 1100	100	-10 / +120	Um, Ge, Ke
LFC 1150	150	-10 / +120	Ge, Ke, La
LFC 1220	220	-10 / +120	Ge, Ke, La
LFC 1320	320	-10 / +120	Ge, La
LFC 1460	460	-10 / +120	Ge, La
LFC 1680	680	-5 / +120	Ge, La
LFC 11000	1000	-5 / +120	Ge, La
LFC 11500	1500	-5 / +120	Ge, La

Mineral oils (adhesive version)

Designation	ISO VG	Temp. (°C)	to be used for
LFC 1046H	46	-20 / +80	Pn, Sp
LFC 1068H	68	-20 / +80	Pn, Sp
LFC 1100H	100	-20 / +100	Pn
LFC 1150H	150	-15 / +100	Pn, Hy
LFC 1220H	220	-15 / +120	Pn, Hy
LFC 1320H	320	-15 / +120	Hy, Um, Ge
LFC 1460H	460	-10 / +120	Hy, Um, Ge, Ke
LFC 1680H	680	-10 / +120	Um, Ge, Ke
LFC 11000H	1000	-0 / +120	Ge, Ke, La
LFC 11500H	1500	-10 / +120	Ge, Ke, La

Special oils

Designation	ISO VG	Temp. (°C)	to be used for	
LA 8		-5 / +80	Adhesive lubricant for mineral oils of ISO VG	
LA 8P		-10 / +80		
LA 8 H1		-10 / +80		H1
LA 151		-20 / +120	Bearer ring oil	
LFC 500			Cleaning agent	
LFC 800		-20 / +120	Oil for (eccentric-) peristaltic hose pumps	
LFC 4160 PH	150	-35 / +180	Synthetic high-temperature chain oil, particularly adhesive	
LFC 42220 HT	220	-30 / +220	Synthetic high-temperature chain oil for shrink tunnels and drying units	H1
LFC 92100	100	-40 / +150	Robot gearboxes, corrugated gearboxes	H1
LFC 921000	1000	-30 / +150	Robot gearboxes, worm drives	H1
VP 785		-20 / +120	Bearer ring oil	
VP 925		-40 / +50	Contact protective oil	

Silicone oils

Designation	ISO VG	Temp. (°C)	to be used for	
LFC 7038	38	-55 / +140	Release agent, care product, anti-friction agent, hydraulic fluid	
LFC 7075	75	-55 / +150		
LFC 7260	262	-50 / +150		H1
LFC 7370	373	-50 / +150		
LFC 7750	750	-50 / +150		

Poly glycol based oils

Designation	ISO VG	Temp. (°C)	to be used for	
LFC 8032	32	-20 / +120	Hy	
LFC 8046	46	-20 / +120	Hy	
LFC 8068	68	-20 / +120	Hy, Um	
LFC 8100	100	-20 / +120	Um, Ge	
LFC 8150	150	-20 / +120	Um, Ge, Ke, La	H1
LFC 8220	220	-20 / +120	Ge, Ke, La	H1
LFC 8320	320	-20 / +120	Ge, Ke, La	H1
LFC 8460	460	-20 / +120	Ge, La	H1
LFC 8680	680	-20 / +120	Ge, La	
LFC 81000	1000	-20 / +120	Ge, La	

Poly-alpha-olefines

Designation	ISO VG	Temp. (°C)	to be used for	
LFC 9022	22	-45 / +150	Hy	H1
LFC 9046	46	-45 / +150	Hy, Um, Ko	
LFC 9068	68	-40 / +150	Um, Ge, Ko	
LFC 9100	100	-40 / +150	Um, Ge, Ko	
LFC 9150	150	-40 / +150	Ge, Ke, La, Ko	
LFC 9220	220	-35 / +150	Ge, Ke, La, Ko	
LFC 9320	320	-35 / +150	Ge, Ke, La	
LFC 9460	460	-30 / +150	Ge, Ke, La	
LFC 9680	680	-20 / +150	Ge, Ke, La	
LFC 91000	1000	-20 / +150	Ge, Ke, La	

Legend:
M = Mineral oil, W = White oil, E = Ester, PAO = Poly-Alpha-Olefins, Si = Silicon, synth. oil = Synthetic oil, PFE = Perfluorinated ether oil, PG = Polyglycole, Al = Aluminium, PH = Polyurea, aoV = anorganic thickener, oV = organic thickener, PN = Pneumatic, Hy = Hydraulic, Um = Circulating lubrication, Ge = Gears, Sp = Flushing oil, Ke = Chains, La = Bearings, Ko = Compressor

Lubricating greases

Designation	NLGI	Temperature (°C) lower	upper	shortt.	ndmvalue (rev.)	Base oil/ tickener	Remarks
ELKALUB 22103	1	-30	+700			PG, aoV	**Assembly paste** to prevent tribocorrosion and fretting corrosion, H1 registration is possible
GLL 6	3, 2	-15	+100	+130	300,000	M, Li	Adhesive, long fibred, for **roller/slide bearings**, shakers, open lubricating points
GLL 7	3, 2	-20	+120	+150	400,000	M, Li	**Multi-purpose grease** for roller and slide bearings
GLL 10	2, 1	-20	+120	+130	300,000	M, Li	MoS2-grease for roller and slide bearings under **high working load**
GLG 16	0–000	-20	+100	+120		M, Li	**Liquid grease for gears under heavy work load**; shows outstanding slide friction behaviour
GLS 42	1	-30	+180			Si, oV	Smooth **special silicone grease** for all types of sliding processes
GLS 75	2	-20	+120	+150	400,000	M, Li	**Long term grease** with high oxidation stability for high working pressure loads
GLS 131	2	-20	+120	+140	250,000	M, Li	High performance grease, for rolling bearings, **plain bearings** and **open lubrication points**
GLS 135	2, 1, 00	-20	+120	+150	500,000	M, Li	Universal grease for **roller- and slide bearings** under **high working load**
GLS 163	2	-20	+130	+150	400,000	M, PH	Thixotropic grease for **bearings** under **changing motions** and directions
GLS 563	3–4	-20	+250			PFE, aoV	High-temperature grease for **injection moulding**
GLS 590 UV	1	-30	+250	+300		PFE, oV	**Contact grease** for highly stressed contacts (e.g. battery powered tools) With UV marker
GLS 734	1–2	-40	+140			Si, Li	**For sliding motion**, excellent for Bowden cables
GLS 764	2	-40	+180	+300	> 500,000	Si, PH	**High-temperature grease**; contains silicone
GLS 795	3, 2	-40	+180	+200	100,000	Si, oV	**High-temperature grease**; when in use with hot air, it is limited to 120°C
GLS 931	1	-40	+90	+120		PAO, Li	For stepper motors; especially **plastic gears**; paramount friction values
GLS 933	2–1	-40	+120	+140	500,000	PAO, Li	**Low-friction grease** for rolling bearings, plain bearings and plastic applications
GLS 935	3–2	-40	+120	+140	1,500,000	PAO, Li-Spez.	**Spindle bearing grease**
GLS 962	2	-40	+170	+250	> 600,000	PAO, PH	Lubrication of roller- and slide bearings in **high-temperature areas**
GLS 965	3	-40	+170	+250	> 600,000	PAO, PH	High-temperature grease for **high loads** in roller- and slide bearings
GLS 966	2	-40	+160	+230	> 600,000	PAO, PH	High-temperature grease for medium- till **high speed bearings**
GLS 991		-40	+140	+180		PAO, oV	For pneumatic, bearings, gears, **slide motions**, bars and fittings
VP 900	0	-30	+150			M, Li/Ca	Adhesive grease for **open gears**, cam and cam disks
VP 905	1–0	-30	+120	+140		PAO, Li	**Spindle lubrication**, plastic-steel pairing, high-load bearing capacity
VP 907	2	-30	+120		1,600,000	M, Li-Spez.	**High speed bearing grease** (spindle bearings)
VP 911	2	-40	+230		300,000	PFE, PAO, soV	**High-temperature grease** for waffle ovens, fluted roller bearings, oven hinges
VP 924	2	-20	+120			M, aoV	**Assembly and contact grease**, available in a user-friendly brush can

Lubricating greases for the food processing industries

Designation	NLGI	Temperature (°C) lower	upper	shortt.	ndmvalue (rev.)	Base oil/ thickener	Remarks
GLG 886/N00	0	-30	+120			PG, aoV	**Polyglycol fluid grease** for gear lubrication with H1 registration
GLS 361	1	-25	+120	+130		W, PH	H1-grease to stop **tribocorrosion**; for open gears, as assembly grease
GLS 363	3	-25	+120	+140	200,000	W, aoV	Highly **adhesive H1-grease** for rolling bearings, plain bearings and open lubrication points
GLS 364	2	-10	+120	+150	< 600,000	W, PH	**H1-grease** for cutter shaft bearings, slicers, sausage fillers, sterilizers
GLS 367	2, 1, 00, 000	-10	+130	+180	100,000	W, aoV	H1-grease for **roller- and slide bearings**, guides even exposed to water
GLS 381	00, 000	-20	+120	+150	200,000	W, Al	H1-**semi-liquid-grease** for gears
GLS 382	2	-20	+120		200,000	W, Al	H1-grease for **high-load** rolling bearings and plain bearings
GLS 388	2, 1	-10	+100	+130	200,000	W, Al	H1-grease, **very adhesive**, for slide bearings, bars, open cog wheels
GLS 595	3, 2, 00	-40	+250	+300	100,000	PFE, oV	Long-life grease for **high-temperature** applications, can only be mixed with grease of same type. Pretreatment with LFC 500 is recommended
GLS 762/N0	0	-20	+180			Si, PH/aoV	**PTFE-free silicone grease** for central lubrication systems with lubricant distributors
GLS 794	3, 2, 1, 0	-40	+180	+200	100,000	Si, oV	H1-**silicone grease** for slide motions, valves, guides, O-ringassembly, etc.
GLS 867						PG, aoV	H1-assembly grease for **EPDM-gaskets**, can be well rinsed off
GLS 886	2	-30	+120	+150	300,000	PG, aoV	H1-grease with good sliding friction behaviour; **UV resistent**
GLS 886/N2	2	-30	+120	+140		PG, aoV	Universal grease for rolling and plain bearings as well as gears, **assembly grease for EPDM components**, with H1 registration
GLS 964	2	-20	+130	+150	500,000	PAO, PH	**Synthetic H1-grease** for roller- and slide bearings
GLS 967	1–2	-15	+130	+150	100,000	PAO, aoV	H1-grease with extended **resistance to water**, acids and alkalis

H1

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Lubricating greases for the food processing industries

Designation	NLGI	Temperature (°C) lower	upper	shortt.	ndmvalue (rev.)	Base oil/ thickener	Remarks
GLS 980	2	-40	+140		200,000	PAO, Al	**Universal H1-grease** for high loads and temperatures
GLS 981	2	-20	+120	+180	200.000	PAO, Al	**Universal H1-grease** for low temperatures
GLS 993 H1	1	-40	+150	+200	< 100,000	PAO, oV	H1-grease for pneumatic, bearings, gears, **slide motions**, bars, etc.
VP 873	2	-20	+140		200,000	W, oV, synth. oil	H1-grease for **highly loaded roller and slide bearings**
VP 874	2	-20	+120	+150	> 600,000	PAO, oV	**H1-grease for linear guides**, OEM recommendation
VP 889	2–3	-15	+130	+150	100,000	synt. Oil, E, aobV	H1-grease for **sterlizor chains** does not leave any stains on the tins
VP 890	< 000	-35	+140			PAO, oV	H1-**special-semi-liquid-grease** with high corrosion protection
VP 899	1	-40	+110		2,300,000	PAO, oV	H1-grease for spindle bearings and **miniature ball bearings**
VP 922	1	-30	+140			PAO, PH/oV	Synthetic **high-performance grease** for the lubrication of rolling and sliding processes

Special greases

Designation	NLGI	Temp. (°C) lower	upper	Base oil/ thickener	Remarks
GLS 961/N1	1	-40	+160	PAO, PH	**High speed grease**, for spindle bearings in CNC machines and miniature ball bearings and gears as well
VP 820	1	-20	+100	M, Na	Gear grease for battery **powered tools**
VP 840	0–00	-10	+80	M, aoV	**Fluid gear grease** for battery powered tools (drop point lubrication > 65 °C)
VP 851	1–2	-10	+110	M, PH/oV	Lubrication grease, which has been developed especially for the lubrication of **sliding motions under high pressure**
VP 910	1–2	-20	+1,200	M, aoV/oV	Lubrication **paste for wheel hubs**, rim flanks and centering ring; transition to solid lubrication at temperatures > 250 °C; available in a user-friendly brush can
VPG 934		-40	+180	PFE/PAO, PH	**High-temperature hybrid grease** for loaded bearings

Anti-corrosion fluids

Designation	General application	Properties
MBF 360	Anti-corrosion and lubricant fluid	Viscosity at 40 °C 17 mPas, thin, but highly effective **anti-corrosion and lubricating agent** for storage of metal parts and sea transport of machines; due to low dust take-up MBF 360 can be used as lubricant in sensitive areas
MBF 370	Anti-corrosion and lubricant fluid	Viscosity at 40 °C 60 mPas, intermediate and **long time anti-corrosion protection** with extreme high-pressure characteristics; prevents blooming of high alloy exposed to sea water; weil suited for greasing of chains; to avoid corrosion at simultaneous improvement of working performance
LFC 900 AC	Corrosion protection	**Anti-corrosion** oil for temporary preservation (e.g. transport preservation) of machines and parts, also for the **food industry**; application by splash treatment (diving), spraying or with a brush

Lubrication applicators

Designation	Properties
MCP 100 Grease gun	**One handed grease gun** for clean and unmistakable lubrication with ELKALUB 100 ml screw cartridges
Brush can	The 200 ml brush can is a **clean solution for assembly applications** in industry and food processing
Flexxpump	The Flexxpump is a **compact lubrication pump** with 1 to 4 outlets and can be operated with up to 70 bar
Memolub	The Memolub is an **automatic lubrication pump** with different types, 1 to 4 outlets and can be operated with up to 25 bar.

Sprays

Designation	General application	Properties
FLC 8 **FLC 8 H1**	Chains under high load, cams and open cog wheels	**Very adhesive** and no spin-off until +80 °C; highly loadable, good creeping and anti-corrosion properties; resistant to water; for chains under load and open lubricating points like cog wheels, cams, curve discs and barrel rings (-20 °C to +120 °C)
FLC 367*	For food and beverage firms, as well as pharmacy	**Grease spray** for lubrication of chains and slide ways exposed to very aggressive influences, extremely resistant to water,acids and alkalis (-20 °C to +130 °C, short term +180 °C, pH-frame 2–11 at 50 °C) H1
FLC 400	Hot embossing press devices, chains under high temprature	**High temperature PFPE spray**; metal surfaces must be absolutely clean before application! (up to +250 °C, short term +300 °C)
FLC 675 R+S	Chain cleaning agent	Odourless, **anti-corrosive cleaning agent** for treatment of grease and oil mudded machinery components; a very thin interim lubrication film prevents the dry running during the cleaning process H1
FLC 700	Silicone based slide fluid for paper, wood, rubber, fabrics	Relatively fast drying, a **non-filthy sliding layer** with good anti-corrosion capabilities will show up and have long standing effects (after vaporation max. +170 °C)
FLC 710	Similar to FLC 700	Properties similar to FLC 700; **very short period of evaporation**; much thinner consistency than FLC 700; can be used during regular production run
FLC 745	Silicone based slide fluid mainly for plastics	Physiologically harmless **slide film** remains, not glueing, odourless with good corrosion inhibitors (after vaporation max. +170 °C) H1
FLC 804	Hinges, joints, open gears	**Non-dripping adhesive spray**, based on the spray FLC 8 H1 (-20 °C to +100 °C)
FLC 900 Clean	Cleaning agent	**Odourless cleaning agent** for lubricant residues, resin and paint residues; leaves bare metal surfaces without residues of the cleaning agent H1
FLC 1010/1012*	Gripper seats (printing industry), spindles, joints, chains	Extremely good **creeping lubricant** for fits to cope with utmost high work loadability; the creeping performance is rather limited on metal surfaces; free of resins and acids; does not bind any dirt particles or dust (-20 °C to +120 °C)
FLC 1040	Rust solvent	Very effective **rust solvent**, with dewatering properties for rusted screws, bolts, guides, chains, etc.
FLC 3010	Food processing- and beverage industries, pharmacy	**H1-Oilspray** with paramount creeping, enormous pressure resistance and anti-corrosive characteristics; resin and acid free, for transmiss ion- and transport chains, hinges, spindles and guides (-20 °C to +120 °C) H1
FLC 4010*	Chains, rollers and joints exposed to high-temperature	**Ester based high-temperature oilspray** offering good creeping and outstanding AW anti wear and anti-corrosion protection (-35 °C to +180 °C, short term +200 °C) H1
FLC 9010	Synthetic oil-spray for universal use	**Oilspray based on PAO** with good creeping ability; very suitable for use in the high temperature range as well as for higher loads, application for roller and sliding motions (-35 °C up to +160 °C) H1
FLC 9025	Guides, joints, shafts and bushes and other sliding elements	Synthetic oil spray with PTFE. Excellent **sliding lubrication** properties, highest wear protection and emergency running properties thanks to solid lubricants. With H1 registration (-40 °C to +160 °C) H1
MBF 370*	Food making and beverage industries	High effective, **anti-corrosion**- and grease agent under aggressive working conditions; contains PTFE; anti-static to dust and dirt, suitable for chains, cams and guides (-5 °C to +120 °C, preferably till +60 °C) H1

Remarks:
Most aerosol sprays can be also delivered in a liquid performance. Temperature indications represent average values. Please contact us.

* Pressureless pump-action spray, friendlier to the environment and no dangerous good for storage and shipping

All information has been compiled according to our best knowledge. You should take advantage of our range and advice.
However, because of the multitude of areas of application and use, we cannot assume any liability or guarantees.
Please allow yourself to be advised personally by us.

High performance lubrication oils and greases, high performance sprays for general industry, printing and paper processing industries, food industry and pharmaceuticals

Made in Germany

Chemie-Technik and ELKALUB

In 1956, trailblazing high performance lubricants, oil and fuel additives lay the foundation stone for today's "Chemie-Technik GmbH". Since focussing on high performance lubricants for industry and craftwork in the 70s, we manufacture our products ourselves and market these under the brand name ELKALUB.

Products

For the various physical circumstances of the areas of application we offer an extensive selection of lubricants in the form of **greases and oils**. For lubrication points that are difficult to access we recommend our greases and oils in a **spray form**.

Applications

Coming into use for solving demanding lubricant tasks are ELKALUB high performance lubricants: we **develop and produce** for numerous renowned **nationally and internationally** operating firms and companies in various sectors: printing, food, pharmaceutical, machinery and plant engineering, automobile and tool manufacturing industries.

Service and Advice

Mechanical systems are always a matrix of numerous, physical influencing parameters. **Choosing** the right lubricant thus often requires comprehensive **know-how** and many years of experience. Speak to us about your individual lubricant requirements. Our **technical advisors** are here for you.

Lubricant advice: +49 7454 9652-0

Request our industry-specific brochures or use our **product finder** online at: **www.elkalub.com**

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03/2026

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