

ELKALUB



Hochleistungs-Schmierstoffe
High Performance Lubricants



Lubricants
for the Printing &
Paper Processing Industries

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

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 & 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.

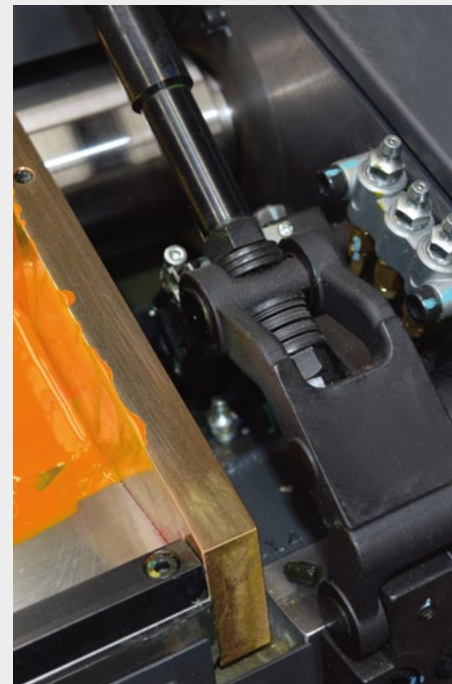
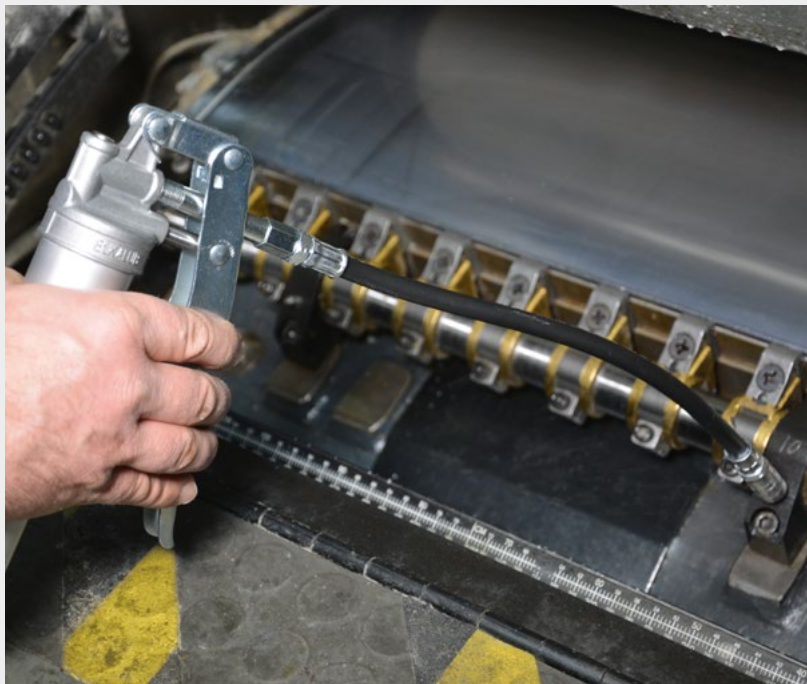


Lubricant advice: +49 7454 9652-0

Request our separate brochure
or use our **product finder**
online at: www.elkalub.com



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Greases

Name	Application	Characteristics	
GLS 37/N1	Heavy duty grease	Very pressure and spin-off resistant grease, extremely adhesive. Use: slide bars and cam discs. Contains MoS ₂ .	
GLS 75/N2	Universal grease	Lithium-soap-based EP universal grease for lubricating roller and slide bearings. Adhesive and spin-off resistant. Standard grease for printing machines from Komori.	
GLS 135/N2^{a)} GLS 135/N1^{b)}	Universal grease	Homogenous, adhesive grease based on mineral oil with lithium-soap. Very well suited to central lubrication units. Standard grease for HD sheetfed machines ^{a)} and web machines from Manroland-Goss ^{a), b)} .	
GLS 163	Universal grease	Polyurea saponified mineral oil grease for lubricating roller and slide bearings and small drives. Very good protection against wear even with high revolutions. Through the distinctive thixotropy, good for poorly sealed bearings. Standard grease for sheetfed printing machines from KBA and manroland Sheetfed.	
GLS 361/N1	H1-Special grease	H1 special grease with a high proportion of solid lubricants. Good for toothed segments, oscillating movements (e.g. turning drums) and against tribocorrosion.	
GLS 363/N3	Solid universal grease	Grease for general machine greasing and open lubrication points. Sealing grease for ink ducts.	
GLS 595/N2	High temperature grease	High temperature grease (up to 250 °C) based on perfluoropolyether. For roller and slide bearings, spindles and guides at adhesive binders, embossing and corrugated cardboard machines.	
GLS 794/N2	Sliding and sealing grease	Silicone grease for slide lubrication and sealing applications (e.g. ink ducts, coating pans). Adhesive, media resistant and suitable for high temperatures up to 250 °C. Not for bearing lubrication.	
GLS 962/N2	High temperature grease	High temperature grease (up to 170 °C) based on PAO oil and polyurea thickener. For bearings in pressure vacuum pumps (dry rotors) and fans.	
GLS 964/N2	H1-Universal grease	H1 universal grease for sheeted offset machines from HD, KBA, Komori and manroland and for post press machines (stamping, folding, glue binding and cutting machines ...).	
GLS 965/N3	High temperature grease	Roller and slide bearing grease for increased temperatures up to 170 °C (e.g. hot embossing machines). Adhesive and spin-off resistant. Very good wear resistance and very good endurance strength.	
GLG 16/N0^{c)} GLG 16/N00^{d)} GLG 16/N000^{e)}	Special liquid gear grease	Lithium-soap-based liquid gear grease. Very good wear resistance at high load bearing capacity. For use in central lubricant units from manroland Sheetfed ^{c)} , Komori ^{d), e)} , HD ^{e)} , manroland web ^{e)} and KBA Grafitec ^{e)} .	
GLL 10/N1 GLL 10/N2	Heavy duty grease	Lithium-soap-based MoS ₂ grease with high adhesiveness for heavy loads in roller and slide bearings as well as open lubrication points.	
VP 873	Heavy duty grease	High pressure and adhesive grease for roller and slide bearings and open lubrication points.	
VP 886	Polyglycol special grease	Roller and slide bearing grease on a polyglycol basis. Compatible with NBR and EPDM roller materials. For UV print applications.	
VP 890	H1 liquid gear grease	Synthetic polyurea saponified liquid grease with highest wear resistance. For use in central lubricant units from HD and KBA Grafitec.	

Gear-, circulating- and chain oils, oils for pumps and compressors

Mineral oils

Name	ISO VG	Application	Characteristics/Notes
LFC 1068 ^{a)}	68	CLP circulating and gear oil, chain oil	Greatest wear protection, long-life oil ^{a)} Komori, manroland (Sheetfed & web) ^{b)} KBA Sheetfed, manroland (Sheetfed & web) ^{c)} Heidelberger Druckmaschinen ^{d)} BOBST
LFC 1100 ^{b)}	100		
LFC 1150 ^{c)}	150		
LFC 1220 ^{d)}	220		

Other viscosities on request. Choice of viscosity as per machine handbook.

Mineral oils with adhesive additive

Name	ISO VG	Application	Characteristics/Notes
LFC 1068H ^{e)}	68	circulating oil, oil for guides and chains	High level of adhesiveness, high level of wear protection ^{e)} chain lubrication BOBST ^{f)} chain lubrication KOMORI ^{g)} chain lubrication KBA Sheetfed
LFC 1100H	100		
LFC 1150H	150		
LFC 1220H ^{f)}	220		
LFC 1460H ^{g)}	460		

Other viscosities on request. Choice of viscosity as per machine handbook.

Medical white oils with NSF H1 Registration

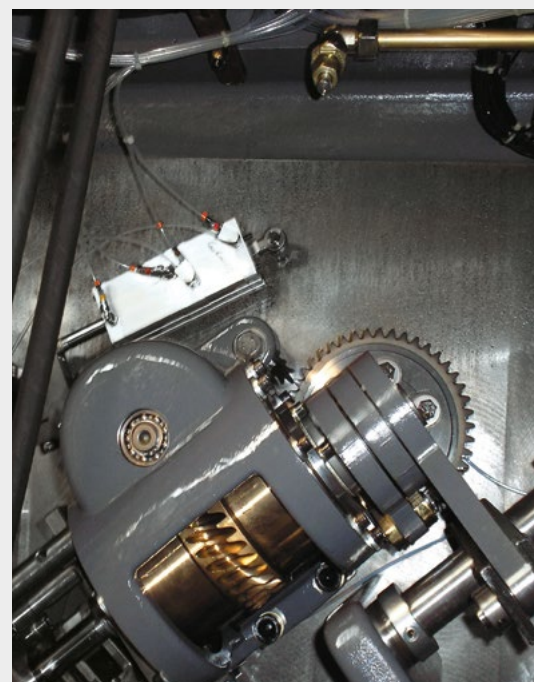
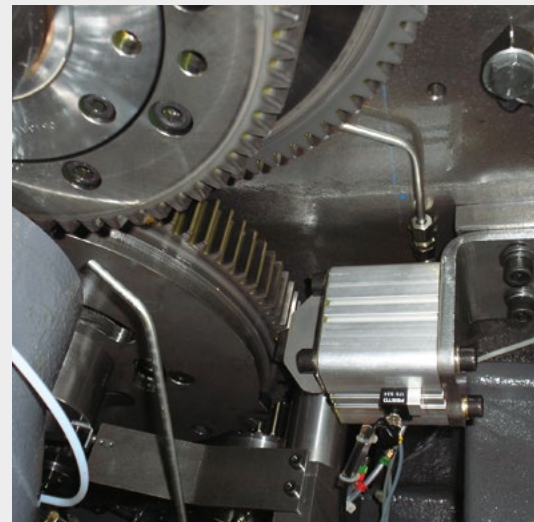
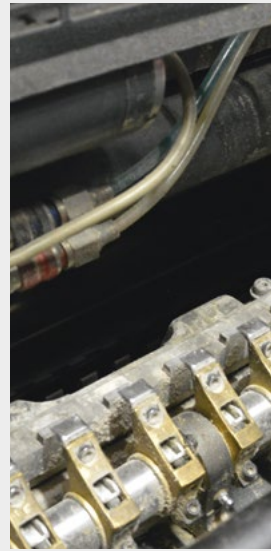
Name	ISO VG	Application	Characteristics/Notes
LFC 34068 ^{h)}	68	CLP circulation and gear oil, chain oil	Highest level of wear protection in continuous use. For food and pharmaceutical packaging. ^{h)} Komori, manroland Sheetfed ⁱ⁾ KBA Sheetfed, manroland Sheetfed ^{j)} Heidelberger Druckmaschinen ^{k)} BOBST
LFC 34100 ⁱ⁾	100		
LFC 34150 ^{j)}	150		
LFC 34220 ^{k)}	220		

Other viscosities on request. Choice of viscosity as per machine handbook.

Polyalphaolefin oils with NSF H1 Registration

Name	ISO VG	Application	Characteristics/Notes
LFC 9032	32	Pump and compressor oil, gear oil	Fully synthetic oil for high temperature applications. For pumps and compressors (e.g.: Kaeser, Atlas-Copco, Airstar, Rietschle, Boge, Denver-Gardner). Can be mixed with mineral oils.
LFC 9046	46		
LFC 9068	68		
LFC 9100	100		
LFC 9150	150		
LFC 9220	220		
LFC 9320	320		

Other viscosities on request. Choice of viscosity as per machine handbook.







Pneumatic and hydraulic oils, flushing oils, bearer ring oils

Name	ISO VG	Application	Characteristics/Notes
LFC 1022	22	Flushing oil	For cleaning oil circulations after water contamination. Note application restrictions.
LFC 1032 LFC 9032 ^{b)}	32	Pneumatic oil	For pneumatic service units. ^{b)} With NSF H1 registration.
LFC 1032 ^{m)} LFC 3032	32	HLP hydraulic oil	High level of wear and corrosion protection. Purity class (typical): 18/16/13. Optional with NSF H1 registration
LFC 1046/3046	46		
LFC 1068/3068	68		^{m)} approval manroland web
VP 785	–	Bearer ring oil	Bearer ring oil for KBA Sheetfed.
LA 151	–	Bearer ring oil	Bearer ring oil for sheetfed offset presses from HD and web machines from manroland web.

Sprays



Name	Application	Characteristics/Notes	
FLC 367 FLC 367 P ^{a)}	Grease spray	Universal spray grease with NSF H1 registration. Adhesive and with a high lubricating and corrosion protection effect. ^{a)} Also available as a pump spray	
FLC 675 R+S	Chain cleaning spray	For the removal of lubrication residue, ink residues and powder on display chains. High level of dissolving power. Following the cleaning, there remains a thin film of oil for conservation and initial lubrication. Also available as a liquid variant.	
FLC 1010/1012 FLC 1010/1012 P ^{b)}	Universal oil spray	Mineral oil-based, medium viscosity oil spray with very good wear protection. Especially for gripper seat lubrication on sheetfed printing machines. ^{b)} Also available as a pump spray	
FLC 1014	PTFE oil spray	Mineral oil-based, medium viscosity oil spray with PTFE. Very good wear protection, very good for sliding movements.	
FLC 3010	Universal H1 oil spray	Oil spray based on medical white oil and medium viscosity. For materials in contact with food.	
FLC 4010 FLC 4010 P ^{c)}	High temperature oil spray	Oil spray based on ester oil and with a small proportion of grease. Very good wear and corrosion protection. Light ink and varnish dissolving properties for good gripper movement in printing machines from KBA Sheetfed, Komori and manroland Sheetfed. ^{c)} Also available as a pump spray	
FLC 9010	High temperature oil spray	Synthetic high-quality oil spray with a high viscosity for very good protection against wear and corrosion. For gripper seat lubrication of HD machines.	
FLC 900 Clean	H1 cleaning spray	High level of dissolving power, odourless and residue-free evaporation. Removes paints, lacquer and glue.	
FLC 9025	H1-PTFE spray	Synthetic oil spray with PTFE. Very good wear protection, very good for sliding movements. For materials that come into contact with food.	

Silicon sprays/Silicon oils




Name	Application	Characteristics/Notes	
FLC 700	Glide lubrication, glide agents for paper and cardboard	High viscosity silicon spray. Creates a highly adhesive glide film of high load capacity. Needs some time to dry.	
FLC 710		Low viscosity silicone spray. Creates a thin, almost invisible glide film with a lower load capacity. Needs no drying time.	
FLC 745		Medium viscosity silicone spray with NSF H1 registration for use in the further processing of food or pharmaceutical packaging.	
LFC 7260	Glide agent	Medium viscosity silicone oil (see FLC 745) for paper and cardboard further processing.	
VP 880	Glide agent	Low viscosity silicone oil. For use in lubricating stitching wire in web machines.	



Corrosion protection

Name	Application	Characteristics	
MBF 370 MBF 370 P^{a)}	Corrosion protection spray	Corrosion protection agent with wax and PTFE. For lubricating slow glide movements. ^{a)} Also available as pump spray	
MBF 360 liquid	Corrosion protection	Liquid, low viscosity corrosion protection agent with wax and PTFE. For metal conservation during storage and dispatch. Especially for corrosion protection of plate cylinders.	
MBF 370 liquid	Corrosion protection	Liquid, medium viscosity corrosion protection agent with wax and PTFE. For metal conservation for storage and dispatch.	

Chain lubricant/Chain cleaning agent

Name	Application	Characteristics	
LA 8	Chain and adhesive lubricant	Adhesive and spin-off resistant, for maximum loads. For the lubrication of delivery chains for manroland Sheetfed.	
LA 8 P		Adhesive and the highest degree of spin-off resistance. For the lubrication of delivery chains for Heidelberger Druckmaschinen.	
LA 8 H1		Fully synthetic and with NSF H1 registration for food and pharmaceutical packaging. For the lubrication of delivery chains for Heidelberger Druckmaschinen, KBA and manroland Sheetfed.	
FLC 8	Adhesive lubricant spray	General chain lubrication (e.g. feeder chains, chains on forklift trucks, chain conveyors).	
FLC 8 H1		General chain lubrication for areas in food or pharmaceutical packaging.	
FLC 675 R+S liquid	Chain cleaning agent	For the removal of lubrication residue, ink residue and powder on (delivery) chains. High level of dissolving power. After the cleaning, there remains a thin film of oil for conservation and initial lubrication. Also available as spray.	



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.

