

# The High-Performance Lubricants for the Printing Industry



## LUBCON® Printing Services



From the very first printed bible, by Johannes Gutenberg in the year 1450, up to modern printing machines the industrial development has gone through tremendous improvements in terms of quality, speed, appearance and printing media. Modern printing machinery has improved the productivity continuously with increasing printing speed and accuracy by optimizing the performance of all mechanical components. In a piece of complex machinery like a four color daily news paper printer as well as in a sheet-fed printing press, hundreds of gears, rolling bearings, joints, bushings and guided elements have to operate partly independently and still match perfectly in time to produce reliably over many years.



To enable such a complex system, the highest demands have been set by each individual component in terms of precision and reliability. The control of friction and wear in all moving parts was the only way to maintain the narrow tolerances and thus to enable long term performance. This was the main driver for the development of modern highly sophisticated lubricants. LUBCON carries a full range of lubricants to support high performance levels in printing industry. Gear oils with well balanced additive package as well as cleaning and preservation fluids and various greases in combination with LUBCON's new series of lubrication devices are available to serve all lubrication requirements of printing industry. LUBCON's technical services are provided to the OEM's as well as to the end users, the operators and maintenance personnel.

LUBCON's lubricants are used widely in the printing industry and have significantly contributed to long term reliability of printing machinery.

### High Quality Greases for Bearing Lubricants



#### Turmogrease L 802 EP plus

We offer a bearing lubricating grease with best load carrying performance in rolling bearings for the operating requirements in printing machines. This product holds a high stability of the special Lithium thickener that maintains the lubricant availability and protects the bearing raceways against contamination and corrosion. The **Turmogrease L 802 EP Plus** is used for the main shaft bearings of printing presses.



**Turmogrease L 802 EP Plus** is suitable to be used in central lubrication systems for automatic lubricant supply or in any type of manual lubrication pumps.

### Chain Lubrication: Carriage Chain in Delivery Section



#### Turmofluid GV 460

**Turmofluid GV 460** is a high viscosity lubricant, suitable for gears, worm gears, control and conveyor chains and linear guides.

### Oil Lubrication of Gears and Bearings:



#### Turmofluid GV 220

**Turmofluid GV 220** is a synthetic oil for long term lubrication of gears, roller and journal bearings. It is superior to mineral oils with outstanding stability against oxidation.

### Gear Box/Transmission Lubrication:



#### Turmofluid GV 100 KBA

**Turmofluid GV 100 KBA** is a regular long life oil for gears and transmission lubrication. It is superior to mineral oils it and is fully compatible with standard mineral oils.

### Schmitzring Lubrication:



#### Turmofluid OM 3

This product offers optimum friction and wear protection at a wide temperature range. Low energy consumption and excellent high temperature stability. Easy to clean off the machines parts. Miscible with mineral oils.

### Gripper Bars:



#### Turmogrease NBI

**Turmogrease NBI** is a complex soap grease resistant to water and alkali. It has excellent protection against wear under high loads and low speeds, as well as fretting corrosion.

### Chains, Liners, Gripper Bars:



#### Turmofluid 300 OM

**Turmofluid 300 OM** is odorless and has excellent creep and spreading properties due to its low surface tension. Due to excellent adhesion to metallic surfaces and outstanding thermal stability it results in optimum friction and wear protection of sliding or oscillating contacts.

### Corrosion Protection of Rollers and Pins:



#### Korroquick

**Korroquick** holds a low viscosity with synergetic additive properties. It separates corroded metal parts, screws, bolts, joints and eliminates corrosion films. **Korroquick** repels water on metallic surfaces and generates a protective layer against corrosion.

# LUBCON® Printing Services

High Performance Lubricants  
for the Printing Industry



**Genius 52, 74 Karat, Rapida 74 G  
Rapida 105, Rapida 105 U,  
Rapida 130 to 162a, Rapida 205**



Printing Presses KBA - Rapida

## LUBCON's Complete Grease and Bearing Failure Analysis

Years of experience in bearing performance as well as lubricant behaviors and strong involvement in daily industrial practices have contributed to a huge knowledge base concerning bearing failure and bearing failure analysis methods. Equipped with all knowledge and tools to identify the root cause of bearing malfunction LUBCON helps the customer to identify possible areas of improvement and supports all the way up to implementation of the solutions.

The bearing failure analysis covers all components involved:

- ✓ Grease analysis
- ✓ Seal inspection
- ✓ Cage, cage pockets
- ✓ Contamination
- ✓ Bearing visual inspection
- ✓ Raceway analysis with Scanning Electron Microscopy (SEM)

## LUBCON Lubrication Systems



**TLB 2000** - The automatic pin chain lubricator supplies accurate lubricant quantities with precise timing to conveyor chains. Optimum lubrication with Lubcon chain oils and accurate minimum oil quantities extends the chain life up to factor 3.



**EasyMatic** - The smart automatic lubricator for oils and greases for up to 22 lubrication positions (44 with two pump elements). This is designed for automatic long term lubrication of machinery in industrial environments.



**MicroMax 120** - Single point lubricator for automatic lubrication up to a maximum of 3 years. It can be used for any individual bearing, ball screws, gears, etc with a large variety of long life greases.



**DuoMax 160** - Double point lubricator for maintenance free operation of e.g. electrical motors up to a maximum of 3 years. This also can be used for fan shaft bearings and many others with a large variety of long life greases.



**QuattroMax 30** - The minimum quantity lubricator for high speed spindle lubrication is the only unit that can supply grease to grease lubricated spindles during operation. Lubrication of linear guides, high precision ball screws etc.

## LUBCON's Support Goes Beyond Lubricants Only

Advanced calculation methods have been developed to help the customer selecting the right lubricant in terms of optimum operating condition and grease service life. Training seminars for better understanding of bearing operation and lubrication technology have been composed and made available for maintenance personnel, engineering staff, designers etc.

Where required, automatic lubrication devices are available to extend maintenance free operation. To enable better handling and disassembly of bearings, fittings and any clamping devices during overhaul assembly pastes have been developed and are available in a various range of packaging as well as aerosols.

- ✓ Grease service life program
- ✓ Relubrication quantity and interval calculation tool
- ✓ Training seminars
- ✓ Assembly pastes
- ✓ Cleaning spray LC 500
- ✓ Automatic lubrication devices from a single point lubricator to central lubrication systems with a maximum of 44 lubrication lines.

## Various Types of Packaging

All LUBCON products are OEM approved and available from stock in a large variety of packaging solutions, from 50 ml (1.76 oz) tubes, 400 ml (14 oz) cartridge up to 200l (55 gal) drums.

**LUBCON Turmo® Lubrication, Inc.**  
Lubricants · Lubrication Engineering

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This brochure only contains product information. For specific information please refer to our technical data and safety data sheets. The indications made represent the present state of development and knowledge of LUBCON Turmo® Lubrication, Inc., which is subject to change without notification. The products are subject to severe controls of manufacture and comply in full with the specifications set forth by our company, but due to the multitude of different influencing factors, we cannot assume any warranty for the successful application in each individual case. Therefore, we recommend to perform field tests. We strictly refuse any liability.