

# Outstanding Lubricant Performance for Modern Textile Machinery



## LUBCON® Textile Services

### Lubricants for Knitting and Weaving Machines

High production capacities, high loads, speeds and temperatures as well as insufficient or wrong lubrication can result in wear, overheating or contamination of components. The demands of high production and long term reliability require extraordinary lubrication solutions which are carefully matched to the needs of an application thus enabling the daily processing of many tons of yarns.

LUBCON high performance lubricants are especially formulated from highly refined components and processed under stringently controlled

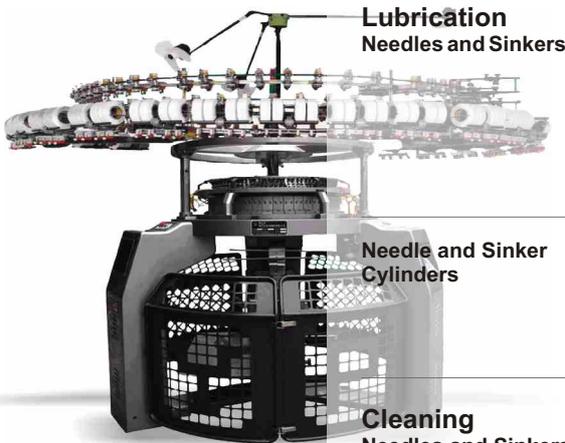
conditions thus surpassing the requirements for high production capacity and high quality.

Our technical service team will assist you in order to identify the best lubrication solution for your specific needs, thereby optimizing the lubrication conditions of your machinery and improving machine long term performance.



## Knitting Machines

### Circular Knitting Machines



Lubrication  
Needles and Sinks

#### Turmotex®oil LP Series

Special white oil for efficient lubrication of needles and sinks. It protects against wear and reduces significantly the operating temperature in the knitting section and keeps the needle channels clean and serviceable.

- ✓ easily scourable
- ✓ neutral towards elastomers
- ✓ reduces noise and vibration
- ✓ extends service life of needles
- ✓ prevents fly on the needles

#### Turmosynth®oil SV Series

#### Turmotex®oil STO 310

High performance synthetic running-in oil possessing excellent creeping properties and low friction values for lifetime lubrication of needles, sinks as well as needle and sinker cylinders.

- ✓ excellent resistance to oxidation
- ✓ very good corrosion protection
- ✓ prevents fly build up on the needles
- ✓ easily scourable

Cleaning  
Needles and Sinks

#### Turmotex®LPR 14

Mineral lubricating and cleaning agent with a sophisticated additive package to prevent fretting and heavy wear. It has an excellent cleansing effect in the needle channels and cam areas.

- ✓ non flammable
- ✓ odorless
- ✓ prevents fretting and wear

Thread Guide

#### Turmotex®cleaner A

Mineral oil based lubricating agent with excellent cleaning behavior. It penetrates into very narrow tolerances and removes dirt and paraffin deposits from all knitting machine areas.

- ✓ good penetration
- ✓ easily scourable
- ✓ neutral towards elastomers

### Flat Bed Knitting Machines



Needles and Sinks

#### Turmotex®oil LP Series

Special white oil for efficient lubrication of needles and sinks. It protects against wear and corrosion, reduces significantly the operating temperature in the knitting section and keeps the needle channels clean and serviceable.

- ✓ easily scourable
- ✓ neutral towards elastomers
- ✓ reduces noise and vibration
- ✓ extends service life of needles
- ✓ prevents fly on the needles

Thread Guide Box  
Slide Rails

#### Turmofluid® ED 13

#### Turmoplex 1585 WS

High performance grease based on a lithium soap complex with a well balanced combination of additives for outstanding wear and corrosion protection. It absorbs and damps vibrations.

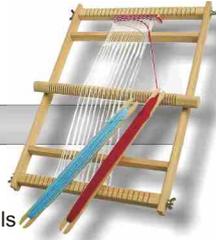
- ✓ reduces noise and vibration
- ✓ smooth sliding of slide rails
- ✓ reduces fretting corrosion

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## Weaving Machines



Application	Recommended Lubricant	Properties/Benefits
<b>Gear Boxes</b> <b>Mineral Oils</b>  <b>Synthetic Oils</b>  <b>Hypoid Gear Boxes</b> <b>Mineral Oils</b>  <b>Synthetic Oils</b>	<b>Turmogear®oil OM Series</b> Solid-free high performance gear oil containing a new developed additive combination. It is suitable for long term or life time lubrication even under challenging conditions such as high temperature, loads and speeds. These oils exceed the capability of conventional EP lubricants.	<ul style="list-style-type: none"> <li>✓ excellent load capacity</li> <li>✓ extended oil drain intervals</li> <li>✓ optimum gear operation</li> <li>✓ temperature reduction on friction surfaces</li> <li>✓ compatible with all conventional sealing materials and paints</li> <li>✓ temperature reduction on friction surfaces</li> <li>✓ uniform viscosity for precise delivery</li> <li>✓ neutral to elastomers and plastics</li> <li>✓ low coefficient of sliding friction</li> </ul>
	<b>Turmosynth®oil PAO Series</b> Fully synthetic gear oil based on polyalpha olefines	
	<b>Turmosynth®oil PG Series</b> Synthetic gear oil based on polyglycol	
<b>Open Gears</b>	<b>Turmogear®oil GL 5 SAE 85W-90</b> Special mineral oil with high quality anti stick and slip additives for the lubrication of switching and vibrating hypoid links especially in carpet weaving machines.	<ul style="list-style-type: none"> <li>✓ very good high load carrying and temperature behavior</li> <li>✓ excellent friction and wear protection for long life lubrication</li> </ul>
	<b>Turmosynth®oil SL 75W-90</b> Fully synthetic gear oil for extended gear performance	
<b>Central Lubrication</b>	<b>Turmogrease® 2 PA</b> Soft complex soap grease for rolling and sliding bearings with high temperature and loads in weaving machines. It demonstrates a high surface pressure and protects against friction and wear.	<ul style="list-style-type: none"> <li>✓ extremely water resistant</li> <li>✓ especially adhesive</li> <li>✓ reliable corrosion protection</li> <li>✓ very high load carrying capacity</li> </ul>
<b>Oscillating Movements Greases</b>	<b>Turmoplex 1585 WS</b> Unique lithium soap complex with optimum corrosion and wear protection. It has excellent service life and outstanding pressure resistance.	<ul style="list-style-type: none"> <li>✓ smooth texture</li> <li>✓ suitable for humid conditions</li> </ul>
	<b>Turmoplex EL 000 EP</b> Soft semi liquid grease with excellent wear protection behavior for gears and clutches even under wet and dusty conditions.	
<b>Semi Liquid Grease</b>  <b>Electric Motor Bearings</b>  <b>Chains and Chain Drives</b>  <b>Rapier Front Rollers and Scissors</b>  <b>Friction Gears</b>	<b>Turmogrease® PHS 1002</b> Semi synthetic high temperature grease for long term lubrication. Neutralizes the influence of cold and hot water, steam and cleaning agents.	<ul style="list-style-type: none"> <li>✓ very good corrosion protection</li> <li>✓ operates at high temperatures</li> <li>✓ low friction torque</li> <li>✓ best penetration ability and creeping behavior</li> <li>✓ excellent water displacement</li> <li>✓ low starting friction</li> <li>✓ maintains temperature over a wide speed range</li> <li>✓ miscible with mineral oils</li> <li>✓ suitable for lifetime lubrication</li> </ul>
	<b>Turmofluid® 4 S Spray</b> Synthetic chain oil with PTFE additives shows excellent lubricating efficiency and ensures smooth running.	
	<b>Turmogrease® Highspeed L 251</b> Fully synthetic grease with low friction and excellent noise behavior. It extends the relubrication intervals and is suitable for life time lubrication.	
	<b>Turmosol®trak 50</b> Synthetic lubricant which increases the traction between the smooth surfaces of the adjusting gears and ensures high efficiency resulting in low temperature and an extended service life.	

**LUBRICANT CONSULT GMBH**  
Lubricants · Lubrication Systems

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