

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.

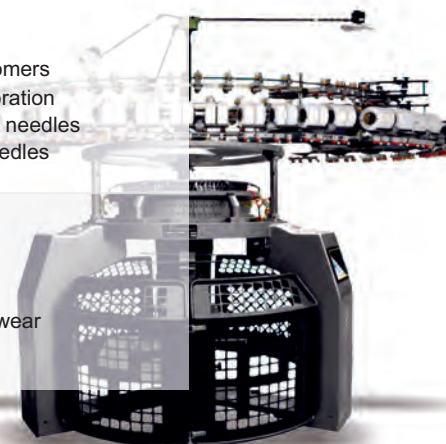
The demands of high production and long term reliability require extraordinary lubrication solutions which are carefully matched to the needs of an application thus enabling the daily processing of many tons of yarns.

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.

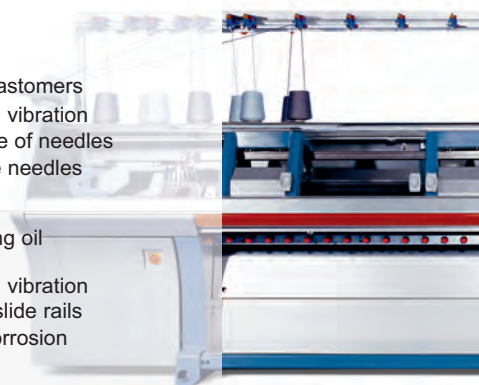
Circular Knitting Machines

Application	Recommended Lubricant	Properties / Benefits
Lubrication		
► Needles and Sinkers	Turmotex® oil LP W Series Special white oil for efficient lubrication of needles and sinkers. 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
Cleaning		
► Needles and Sinkers	Turmotex® LP R 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



Flat Bed Knitting Machines

Application	Recommended Lubricant	Properties / Benefits
Lubrication		
► Needles and Sinkers	Turmotex® oil LP W Series Special white oil for efficient lubrication of needles and sinkers. 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.	► universal lubricating oil ► reduces noise and vibration ► smooth sliding of slide rails ► reduces fretting corrosion



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Weaving Machines

Application	Recommended Lubricant	Properties / Benefits
Gear Boxes		
▶ Mineral Oils	Turmogear® oil OM Series 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.	▶ excellent load capacity ▶ extended oil drain intervals ▶ temperature reduction on friction surfaces ▶ compatible with all conventional sealing materials and paints
▶ Synthetic Oils	Turmofluid GV Fully synthetic gear oil based on polyalpha olefines Turmopoloil HT Series Synthetic gear oil based on polyglycol	▶ temperature reduction on friction surfaces ▶ low coefficient of sliding friction ▶ neutral to elastomers and plastics
Open Gears	Grizzlygrease® No.1 New generation of lithium calcium complex grease for the lubrication of open gears to ensure optimum gear operation and protect the gears from friction and wear. It has been developed as a special grease for high temperatures and loads.	▶ excellent temperature behavior ▶ optimum adhesiveness towards metal surfaces
Central Lubrication	Turmogrease® 2 PA 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.	▶ extremely water resistant ▶ especially adhesive ▶ reliable corrosion protection ▶ very high load carrying capacity
Oscillating Movements		
▶ Greases	Turmoplex 1585 WS Unique lithium soap complex with optimum corrosion and wear protection. It has excellent service life and outstanding pressure resistance.	▶ smooth texture ▶ suitable for humid conditions
▶ Semi Fluid Grease	Turmoplex EL 000 EP Soft semi fluid grease with excellent wear protection behavior for gears and clutches even under wet and dusty conditions.	▶ soft flowing grease ▶ excellent corrosion and wear protection
▶ Electric Motor Bearings	Turmogrease® PHS 1002 Semi synthetic high temperature grease for long term lubrication. Neutralizes the influence of cold and hot water, steam and cleaning agents.	▶ very good corrosion protection ▶ operates at high temperatures ▶ low friction torque
▶ Chains and Chain Drives	Turmofluid® 4 S Spray Synthetic chain oil with PTFE additives shows excellent lubricating efficiency and ensures smooth running.	▶ excellent water displacement ▶ best penetration ability and creeping behavior
▶ Rapier Front Rollers and Scissors	Turmogrease® Highspeed L 251 Fully synthetic grease with low friction and excellent noise behavior. It extends the relubrication intervals and is suitable for life time lubrication.	▶ low starting friction ▶ maintains temperature over a wide speed range
▶ Friction Gears	Turmosol®trak 50 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.	▶ miscible with mineral oils ▶ suitable for lifetime lubrication



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