LUBEONE
Innovative Engineering

TEXTILE MACHINERY

LUBRICANTS



www.lubeone.co.uk



LUBEONE – INNOVATIVE ENGINEERING

It is an independent UK-based brand of lubricants that supplies a comprehensive line of state-of-the-art lubricants ideal for use in a variety of applications from bearings to gears, chains to hydraulics, electronic mechanisms to compressors, and from automotive to food processing equipment.

Every product recommended by our lubrication specialists are engineered and tested to meet or exceed the most stringent performance standards. Our products can be seen on shelves in many countries worldwide.

QUALITY ASSURANCE

We are committed to providing our customers with high Quality Product and Services while complying with all legal requirements. It starts with our raw material quality such oils, thickeners and additives which is assured through careful testing and control from the supplier. This guarantees the continuous quality standards and outstanding performance of our products.

RESEARCH & DEVELOPMENT

Our research team is dedicated to provide innovative solutions ahead of competitors and very aggressive towards market responses. We are constantly working with our customers on the research and development of advanced lubricants and lubrication technologies. This helps us to improve our products, production processes and workflows, with regards to sustainability and profitability.

ENVIRONMENT, HEALTH & SAFETY POLICY

Whenever we operate, we will run our business with priority on local/international environment, health & safety and practice the same, directly from the place of manufacturing, transportation to end user, to minimize accidents. We recommend proper storage and handling procedure of lubricants to consumers so that products are safely used for intended application with greater performance and to avoid wastage of products.

We communicate potential risks and specify appropriate product management practices to consumers and the general public.

APPLICATIONS

TYRE MOULD INDUSTRY

LUBEONE offers special greases for lubrication of external faces of segmented tyre moulds and compression moulding machine which is not only saving mould repair costs but increasing production by keeping tyre presses up and running. It eliminates the problem of galling while increasing the lubrication cycle with reduced downtime for maintenance. It does not carbonize at high temperatures and unaffected in both electrically and steam heated segment moulds.

FOOD PROCESSING INDUSTRY

Lubricant that contaminates the food normally occurs from drip off chains and oil leaks from seals and gearboxes. This always has been a problem in the food and beverage industry.

LUBEONE offers a range of food grade lubricants that are designed for many applications in food processing plants such as compressors & vacuum pump oils, chains, gear and bearings oils, pneumatic & hydraulic systems and bearing grease.

Our lubricants carry a full set of credentials including NSF H1, HALAL and KOSHER certifications.



CORRUGATED BOARD INDUSTRY

Corrugated packaging is one of the most economical, rugged and environmentally sound ways to ship goods. More than two-thirds of the world's retail commodities, from boxed chocolates to heavy industrial components, are transported in corrugated boxes. To meet these demands, the corrugated board makers require good lubrication for machinery for efficient and cost-effective production of container board.

Selecting the right lubrication optimizes performance and extends the life of the corrugating critical equipment. LUBEONE high-performance lubricants meet all application needs of corrugated industry which includes:

- **Preheater roller bearing**
- **Screw Compressor**
- **Corrugator Knives**

WOOD PANEL INDUSTRY

LUBEOEN offers the wood panel industry with safe and high-performance lubricants for presses for online production of wood panels: chip board, OSB and MDF. It includes chain oils and variety of greases for drive chains, cylinder rolling, belt guide rollers, belt tensioners, drive cylinder bearings and roller bars for wood panel presses.

STEEL INDUSTRY

Continuous casting allows the solidification of molten metal. The steel produced in the form of slabs, blooms or billets, continues to solidify as it passes between the rollers. After having been straightened and cut to length, it finishes its journey in the cooling bed. The high temperatures as well as the presence of water throughout the continuous casting process require the use of very specific greases

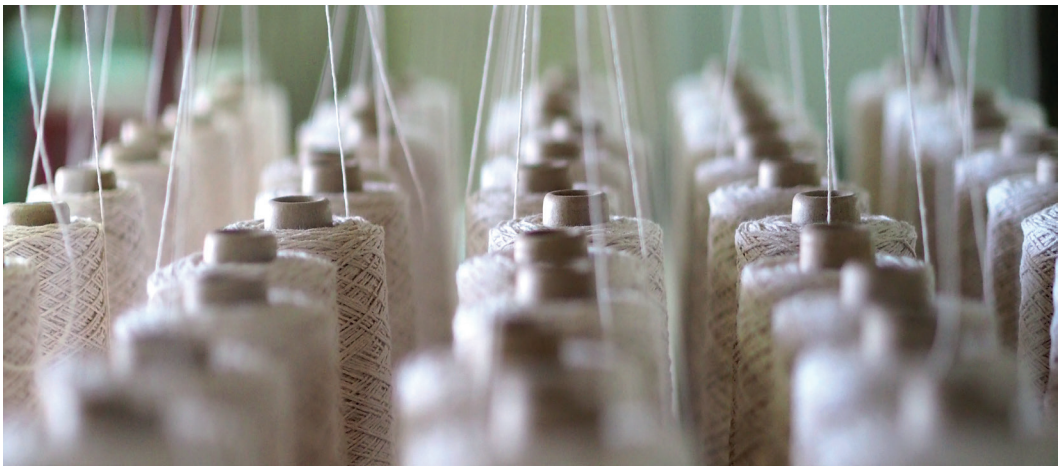
LUBEONE deliver full range of high-performance lubricants for continuous casting, ensuring lubrication from the ladle turret to the cooling bed.

WIRE ROPE, CHAIN & CABLE INDUSTRY

Efficient solutions are available for the lubrication of wire rope, chain and cable regardless of its applications: cranes, elevators, shovels, drilling rigs, suspension bridges and draglines. This ensures that the rope is lubricated throughout while providing a nondrying, non-tacky film on the outside of the rope which protects outer strands from corrosion as well as lubricating the wire rope drums and sheaves.

TEXTILE INDUSTRY LUBRICANTS

LUBEONE specialty and high-performance lubricants have been engineered to perform well even under the extremely tough operating environments of the textile industry. These lubricants can undergo high speed, high temperatures, high loads and vibrations and help to extend service life and reduce cost.



The textile industry is one of the largest industries in the world and thousands of products make it an essential part of many economies. Textiles are made from fibers, filaments, threads and yarn such as clothing, blankets, carpets etc. The product can be made from natural materials or synthetics.

The quality of textiles productivity is subject to efficient and precise working of moving parts: bearings and sliding elements, drive and control chains, complex gear mechanism. In order to provide effective lubrication for textile machinery, the lubricant needs to absorb high speed vibrations, control temperature variations, be resistant to chemical and contaminants.

With our high-performance product range, we are covering the complete processes in the textile industry,
including:

- **Spinning sections:** Carding machine, Comber draw frame, Speed frame, Ring frame, Auto-coner, Two-For-One Twister (TFO), Open-end spinning machine
- **Weaving sections:** Woven label rooms, Warping, Sizing, Looms
- **Knitting sections:** needles and sinkers, slide rails and guide bars.
- **Processing sections:** Singeing, Mercerizing, Stenter, Dyeing machine


Cotton
Sized Yarn
Wet Preteatmenst
Good Preparation
Consumer
Yarn
Weaving
Dyeing and Printing
Retail Store

LUBEONE SOLUTIONS FOR TEXTILE MACHINERY

SPINNING SECTIONS

Cotton Spinning Machines

Application	Challenges	Product Solution	Advantages
Rotary plate (plain bearing) Carding & Drawing machines	-Temperature - Spinning materiel contamination - Corrosion	- HiSPEED GB 2 - HiSPEED NTG 2 (Innovative Polymer Technology)	- Full synthetic grease - Excellent heat and load resistance - Excellent wear resistance - Long life
Top & Bottom rollers of Carding and Drawing frames	- Overheating of bearings - Contamination - Corrosion - Bottom roller bearings need extensive maintenance in case of bearing failure	- HiSPEED NTG 2 (Innovative Polymer Technology)	- Excellent heat and wear resistance - Excellent corrosion resistance - Very long life - Unique solution for all applications
Open end spinning frame single- & double-disc drives	- Overheating of bearings - Very high speeds - Premature wear - Frequent lubrication	- HiSPEED GL 2 - HiSPEED NTG 2 (Innovative Polymer Technology)	- High speed factor up to 1.5 million can be achieved - Excellent wear resistance

SPINNING SECTIONS

Spool Winding Machines

Application	Challenges	Product Solution	Advantages
Thread winding guides and zig-zag winding guides	- Splashing & staining of yarn - Frictional wear and excessive hearting - Hight energy consumption	- HiSPEED GL 2 - HiSPEED NTG 2 (Innovative Polymer Technology)	- Excellent heat and load resistance - Excellent wear resistance
Travelling knot and splicer	- High wear - Difficult to access frictional points	- Dry Moly 450 Spray	- Excellent wear resistance -Very long life
Spindle can bearing & belt guide rollers	- Frequent necessity for relubrication - High frictional resistance of the grease - High energy consumption - Stick slip operation of the guide rollers	- HiSPEED GL 2 - HiSPEED NTG 2 (Innovative Polymer Technology)	- Very long relubrication interval of more than 20000 hours - HiSpeed NTG 2 is a unique solution for all applications

WEAVING SECTIONS

Sizing Machines & Looms

Application	Challenges	Product Solution	Advantages
Bearing of drying cylinders & calendar rollers in sizing dryers	- Residue formation - High temperatures up to °165C	- HiPLEX CX WR 2	- Excellent heat and wear resistance - Excellent wear resistance - Very long life - Excellent water resistance - Stability in chemical ambiance
Gripper looms	- Vibration on rolling bearings flywheel support & crosshead axle	- HiSPEED NTG 2 (Innovative Polymer Technology)	- Excellent wear resistance - Elimination of vibrations - Long relubrication intervals
Motor coupling with brake & slider block rapier guide roller & distributor cutter	- Blocking of free motion	- HiSPEED GB 2 - HiSPEED NTG 2 (Innovative Polymer Technology)	- Stable performance with long relubrication intervals and very low friction coefficient
Weaving machine gears	- Frequent oil change intervals	- Opal SY 150 (PG synthetic oil) - Opal CLP 150 (Mineral HVI Oil)	- Very good heat & wear resistance with long relubrication intervals and load resistance

KNITTING SECTIONS

Circular & Flat-Bed Knitting Machines

Application	Challenges	Product Solution	Advantages
Needles and sinkers	- Needle corrosion - Wear & loss of productivity - Maintenance costs - Downtime from undesired shutdowns	- Coral SK 46 – 22	- Washout easily - Excellent wear protection - No formation of deposits
Slide rails and guide bars	- Adhesion of dirt particles - Residue formation	- FG PTFE spray	- Superior chemical stability - Excellent sliding & separating behavior

PROCESSING SECTIONS

Dyeing Machines

Application	Challenges	Product Solution	Advantages
Lid seals of dyeing machines	- Seal wear - Chemical resistance - Hot & cold-water temperatures - Steam	- HiPLEX CX WR 2	- Excellent heat and wear resistance - Excellent wear resistance - Very long life - Excellent water resistance - Stability in chemical ambiance
Yarn steamers and bearings in liquor circulation pumps Worm gear of overhead travelling cleaners	- Lubricant leakage - Contamination - High frictional wear	- HiSPEED GB 00	- Excellent heat and wear resistance
Cold & Hot separator rollers	- Impeding movement of rollers, frequent relubrication	- HiSPEED GL 2 - HiSPEED NTG 2 (Innovative Polymer Technology)	- Stable performance to varying temperatures and long relubrication interval

PROCESSING SECTIONS

Finishing Machines

Application	Challenges	Product Solution	Advantages
Rolling bearings in washing, mercerizing machines, dyeing machines & festoon machines	- Heavy corrosion - Grease washout issues due to chemicals, process fluids & splash water - Steam	- HiPLEX CX WR 2	- Excellent heat and wear resistance - Excellent wear resistance - Very long life - Excellent water resistance - Stability in chemical ambiance
Steamers inner corrosion protection lining Chains in steamers Bearings in steamers	- Corrosion - Contamination - High frictional wear - High downtime - Maintenance costs	- HiPLEX CX WR 2 - TECHLON P 500 - Chainlube SE 250 Super - HiPLEX CX WR 2 - TECHLON P 500	- Excellent heat and wear resistance

Application	Challenges	Product Solution	Advantages
Fabric conveyor chains	- Impeding motion of rollers - Frequent relubrication	- Chainlube SE 250 Super - Chainlube SE 320 Plus	- High performance premium chain oil - No residues - Cleans out residues - No need of cleaning the old oils
Chains in dryer for printing machines	- Residue formation - Squeaks & rattling noise - Slip slick issues - Increase in power consumption	- Chainlube SE 250 Super - Chainlube SE 320 Plus	- Excellent heat and wear resistance - Excellent wear resistance - Very long life - Excellent water resistance - Stability in chemical ambiance
Rolling bearings in electric motors of dryers on indirect drives Rolling bearings in fans & exhaust fans in dryers on direct drives	- Carbon residues - Accelerated wear of bearings - Frequent relubrication - Labor & maintenance cost	- HiTEMP EM 2 - TECHLON P 500	- Long relubrication intervals with TECHLON P 500 - Reliable & cost-effective performance with HiTEMP EM 2
Width adjustment spindles	- Heavy carbon residues along with accumula-tion of grease & oils leading to impeding motion	- Dry Moly 450 Spray	- Excellent heat and wear resistance - Excellent wear resistance - Very long life - Excellent water resistance - Stability in chemical ambiance
Rolling & plain bearings in heated calendars	- Rolling & plain bearings in heated calendars	- Opal SY Series (ISO 1000 ,460 ,220 cst) (PG synthetic oils)	- Excellent heat and wear resistance
Rotary coupling in steam heated finishing machines Compensator & guide roller bearings in hot flue finishing machines	- Seal wear due to high temperature over °180C - Drying out of grease - Need for frequent relubrication & maintenance	- TECHLON P 500	- High resistance to tempera-ture & wear - Wet condition of grease sustained all through - Prolong lubrication intervals - Resistance to heat, water, process chemicals, gases

Gear Oils

Application	Challenges	Product Solution	Advantages
Spur & bevel gears	- Heavy carbon residues - Mineral oils leave residues & require frequent relubrication intervals - Wear & loss of productivity - Maintenance costs - High torque & power consumption - Downtime from undesired shutdowns	- Opal SH Series (ISO 150 to 1000 cst) (PAO synthetic oils) - Opal CLP Series (ISO 150 to 680 cst) (Mineral HVI oils) - Opal SY Series (ISO 150 to 1000 cst) (PG synthetic oils)	- Stable performance allows for optimal flank temperature - Elimination of wear - Excellent heat and load resistance
Worm gears		- Opal CLP Series (ISO 150 to 680 cst) (Mineral HVI oils)	

Compressor Oil

Application	Challenges	Product Solution	Advantages
Screw Compressor Oils	For discharge temperature up to 100 °C	- Topaz SC 68 – 46	- High thermal stability - Reliable corrosion protection - Outstanding load-carrying capacity
Reciprocating Compressor Oils	Reciprocating piston compressor Oils	- Topaz P 150 – 100	- High thermal stability - Reliable corrosion protection - Outstanding load-carrying capacity
Synthetic Compressor Oil (long-life, up to 10000 running hours)	For discharge temperature above 100 °C require standard ISO 3-6743 class for heavy duty applications	- Topaz SH 100 – 32	- High thermal stability - Reliable corrosion protection - Outstanding load-carrying capacity - High thermal stability - Reliable corrosion protection - Outstanding load-carrying capacity

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& DISTRIBUTORS



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