




Drive farm machinery productivity

with SKF and Lincoln automatic lubrication systems



The Power of Knowledge Engineering



We understand that your time in the field is critical, regardless of severe weather or other challenges, and having your machine available and running at peak performance is essential during the season. With SKF and Lincoln automatic lubrication systems, your farm equipment is reliably ready to spend more time in the field, every day.



SKF and Lincoln have joined forces to provide the world's most complete portfolio of lubrication solutions, from manual lubricators to the most advanced centralized and automatic lubrication systems on the market. Together, we provide a full range of lubrication tools and expert services, from turnkey installation and set-up to testing and training.

Drawing on more than 200 years of combined friction management experience, we can help you improve machine reliability, reduce maintenance costs, improve productivity, enhance safety and optimize manpower resources.

Two leading brands. One global resource.

Leveraging our combined knowledge for farm machinery

Why choose SKF and Lincoln lubrication systems?

In a word, experience. We have drawn upon our combined knowledge in this and other fields to develop efficient automatic lubrication systems tailored specifically for farm machinery requirements.

For decades, farm machinery owners have used our lubrication solutions to increase productivity, to improve equipment life and to maximize the return on their investment.

With the combination of Lincoln and SKF lubrication portfolios and capabilities, you now have one resource for best-in-class lubrication services and advanced automatic lubrication systems.

Representing both brands, your local distributor maintains a broad lubrication product offering and is prepared to provide installation or service as needed. Local market specialists also are available to share expertise and support based on specific applications. In addition, our lubrication systems are available as a factory option or as factory-fit and are offered through machinery dealer networks.



Environmental awareness

SKF believes that the environment should be considered in the design and product development process, and it is a company goal to reduce the overall environmental impact of our products across their life cycle.

Our lubrication products developed for farm machinery are no exception. Because our automatic lubrication systems deliver small, measured amounts of lubricant to each lubrication point, excess lubricant is prevented from making its way onto the equipment and surrounding areas.

This results in fewer clean-up and disposal issues, reduces lubricant waste and increases worker safety.

SKF and Lincoln – A powerful formula for reliability:

- **Superior product innovation:**
The broadest and most advanced lubrication offering in the industry
- **Unequaled global support:**
Two teams of lubrication experts join forces
- **World-class installation support:**
The combined expertise to install the right solution

To explore our solutions, visit skf.com/TheFormula

Extend time in the field with automatic lubrication



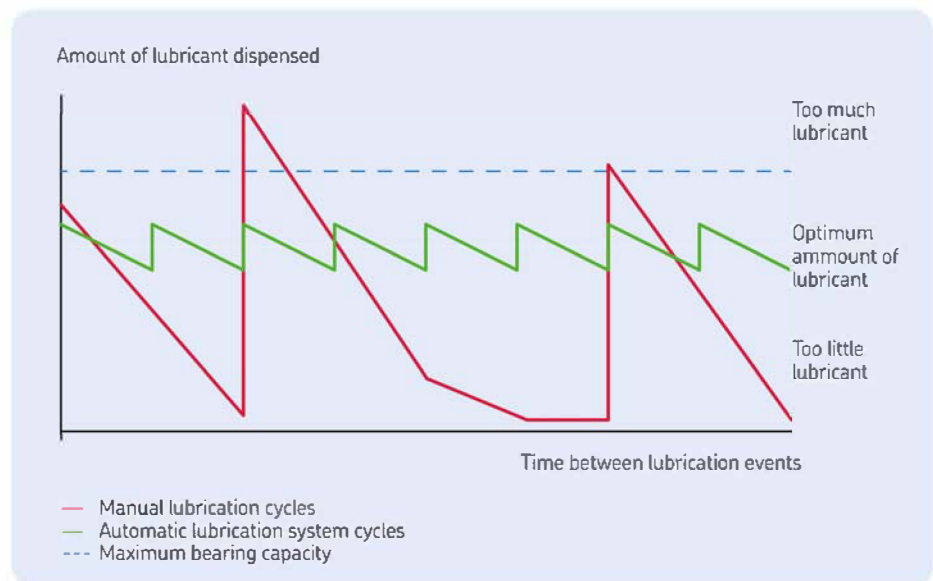
In addition to maintaining the proper lubricant film to reduce wear, frequent lubrication acts as a means to purge bushing and bearings of contaminants. If rock dust, dirt, sand and water are allowed to work their way into these components, they will form a "grinding compound" that reduces bearing life substantially.

To properly lubricate manually, it normally takes about 30 minutes per machine and maintenance cycle. Failure to properly lubricate each lubrication point on every machine can have a negative impact on schedules, maintenance costs and running time performance.

Automatic lubrication reduces downtime, so your equipment is available when you need it. In addition to helping increase reliability and availability, lubrication systems help to extend service life, reduce operational and lubricant costs and minimize environmental impact by avoiding over-lubrication. Also, reducing manual lubrication results in fewer potential accidents, and mechanics can be utilized for other tasks.

SKF and Lincoln automatic lubrication systems help prevent bearing damage and unscheduled machine downtime, while optimizing manpower resources.

Automatic lubrication systems supply the correct amount of lubricant at the best time – while the bearing is in motion.



Proven, reliable and effective

Precise automatic lubrication provides significant benefits:

- Extends preventive maintenance (PM) intervals
- Reduces PM man-hours
- Decreases component failures
- Increases machine usage
- Extends machine life
- Improves machine safety and reliability
- Increases resale value of equipment

Experience in a wide range of applications

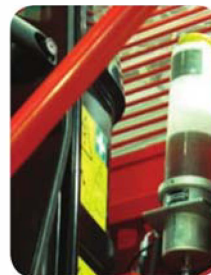
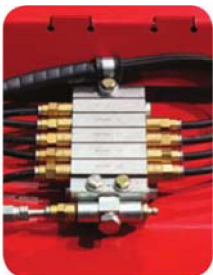
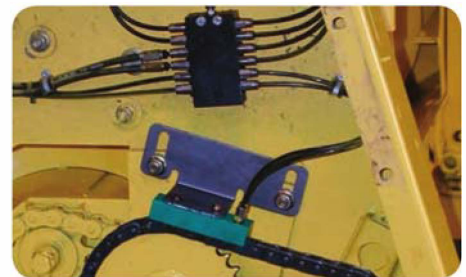
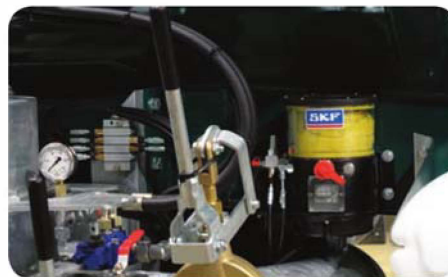
SKF offers a complete selection of high-performance lubrication systems for the agricultural market, which are tailored to the customer's specific requirements. Original equipment manufacturers (OEMs) and their dealers offer SKF and Lincoln lubrication systems as standard options. In addition, our global network of qualified distributors can custom design and install systems on most farm machines.

SKF offers automatic lubrication systems compatible with oil, fluid greases and grease up to NLGI 2 to meet the requirements of your OEM and your operating conditions.

Return-on-investment (ROI) calculation

- Increase production by eliminating machine shutdown for manual lubrication
- At least 90% reduction in man-hours to lubricate
- At least 50% increase in production by reducing lubrication-related bearing failures cause by improper lubrication
- At least 50% reduction in man-hours for repair
- At least 50% reduction in replacement part costs
- Varying reduction of lubricant consumption and energy costs

Maximize production, increase component life, optimize equipment utilization and enhance resale value with automatic lubrication.





Solutions for every farm application

SKF and Lincoln automatic lubrication systems help you make the most of your time in the field. Our lubrication solutions are designed to keep your machines running reliably throughout the season.



Combine harvesters

Having your combine available and running at peak performance is critical during the harvest season. SKF ProFlex and Lincoln Quicklub automatic, progressive lubrication systems are well suited for these applications.

Forage harvesters

Automatic lubrication systems help to keep maintenance time at a minimum and increase uptime and machine availability.

Balers

Baling hay is similar to harvesting crops where uptime and availability are important. Manual lubrication can take more than an hour on these machines, which equates to 35 bales of hay production. Get back that hour each day with SKF and Lincoln automatic lubrication systems. Component failures and resulting downtime are reduced significantly, and dirty, greasy manual lubrication is eliminated. All the operator needs to do is check the reservoir.

Progressive as well as single-line lubrication systems cover the numerous body points and the knotter. Both lubrication systems can be used to lubricate the chains and drives with brushes or nozzles. Precise, metered quantities of lubricant reduces wear and helps to increase smooth machine operation. Mechanically operated pumps that can be driven easily by the existing baler drive shaft are in the portfolio as well.



Cotton pickers

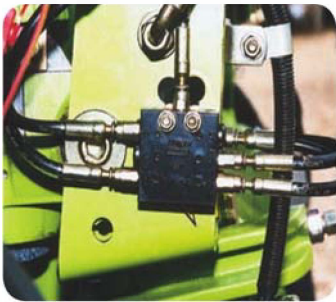
Eliminating manual lubrication can save you an hour every morning. That equates to six more acres worked per day, or more time for other tasks. With the Lincoln Quicklub system, you can maximize the life of your drum head components by eliminating premature wear. Single-point, automatic lubricators also are a good alternative.



Grape harvesters



Grape harvester components are exposed to high-vibration loads and need reliable lubrication every day they are used. SKF ProFlex and Lincoln Quicklub automatic lubrication systems help free up time for other wine-making tasks. Single-point, automatic lubricators also are well-suited for these machines.



Tilling, seeding and planting machines

Due to their weight, size and exposure to field conditions, most implements need to be lubricated once per day. Often, these lubrication points are spread out and situated underneath the equipment,

making lubrication difficult.

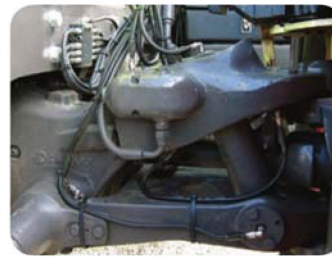
Automatic lubrication is the most cost-effective solution for protecting this equipment. The system's metering device divides and proportions lubricant to the connected components.

Fertilizers and sprayers

Slurry tankers and related equipment are exposed to aggressive liquids, dirt, dust, wet ground and more. Lubrication helps to keep these influences outside the machine and corresponds with customer hygienic standards. Slurry equipment may have up to 100 lubrication points, requiring a high maintenance effort if performed manually.



SKF and Lincoln progressive lubrication systems help to minimize maintenance efforts and maximize availability of your equipment. The installed lubrication system also can supply the machine's axle with the proper amount of lubricant.



Tractors

A tractor's front axles are very close to the ground, making the lubrication points difficult to access. To manually lubricate them requires hours of working time that could be used more efficiently by driving the tractor

in the field. Lincoln's Quicklub automatic lubrication system is easy to install or retrofit.

Attachments

Agricultural attachments endure direct exposure to the harshest operating conditions on any farm. SKF and Lincoln automatic or centralized lubrication systems help to increase equipment service life with minimal maintenance effort.



...and many more.

Comprehensive portfolio of components

for a wide range of lubrication applications

Single-line or progressive lubrication systems

Depending on the number of lubrication points to be covered, SKF offers a wide range of pump units and metering devices in a variety of sizes. Pre-assembled kits for both progressive and single-line lubrication systems are available to minimize installation time. Most can be installed in eight man-hours or less.

Advantages:

- Extends machine life
- Improves machine safety and reliability
- Available at the OEM level or can be professionally installed on site
- Minimizes installation time

Features:

- Standard greases up to NLGI class 2, provided by your supplier
- Easily adjustable delivery volumes
- Optional monitoring
- All necessary accessories for your specific lubrication solution

Specialized chain lubrication systems

Automatic lubrication systems periodically relubricate the driving chains with oil or grease while the farm machine is operating. Lubricating quills, brushes or nozzles apply the lubricant equally across the entire width of the roller, which provides an optimum supply of creeping lubricant to chain link plates, pins and chain rollers. Simultaneously, dirt particles are removed from the chain.

Advantages:

- Efficient resource handling:
No unnecessary environmental pollution
- Extends chain service life
- Increases operational reliability and wear resistance

Features:

- Standard oil and grease NLGI class 00, 000, provided by your supplier
- Easily adjustable delivery volumes to match working conditions and chain size and length
- Special systems for balers are available



Single-point, automatic lubricators

SKF's single point lubricators automatically deliver the correct amount of grease to a single lubrication point during a set time period.

Advantages:

- Easy to install and use
- Extensive range of accessories

Features:

- High water and dust protection
- Available with non-refillable cartridges in two sizes
- Greases and chain oils available
- Adjustable dispense rate

High-performance manual lubrication tools

Lincoln's offering of manual lubrication tools is designed with power and performance in mind.

Advantages:

- Most extensive offering of hand-operated lubrication tools
- Provides easy, point-by-point lubrication

Features:

- Lincoln's PowerLuber family provides a wide range of pressures and volumes
- Single-nipple lubrication systems for up to 10 lubrication points supplied by a manual grease gun

Complete in-shop maintenance equipment

Our comprehensive line of performance-proven pumps, hose reels, dispense valves, grease guns and fluid inventory control systems offers everything needed to build a fully functional lubrication station.

Advantages:

- Complete offering from storage tank to dispense points
- Ability to design systems for any length of run, lubricant/fluid, temperature and flow rate
- Fluid inventory control systems accurately track lubricant dispensing

Features:

- Proven pump designs for any type of container and lubricant
- Range of hose reels for varying lengths and diameters



Global experience, global support, local installation

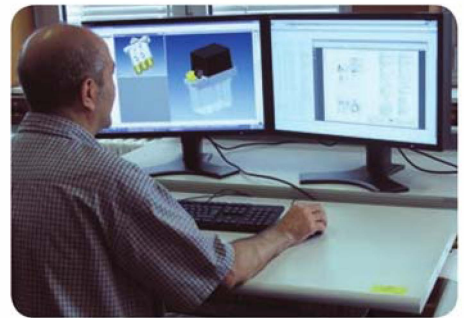
More than 200 years of combined SKF and Lincoln experience

By uniting the worldwide experience, portfolios and distribution networks of the SKF and Lincoln brands, we offer the industry's most complete range of lubrication management solutions across the globe.

Whatever the size or design of your machines, SKF has the products and resources to help you increase bearing life, machine uptime and safety, while minimizing manpower hours, maintenance costs and environmental impact.

A network of experienced partners

SKF- and Lincoln-branded products, systems and services are available through a global network of distributor partners, supported by one unified sales organization committed to your success. System house distributors around the world offer turnkey solutions and extensive aftermarket support.



Retrofitting lubrication systems

- On-site, professional retrofitting of centralized lubrication systems at your location
- Custom design and installation of systems on most pieces of equipment

Service and repair

- On-site installation, service and maintenance contracts
- Training for operators and maintenance personnel

Turnkey engineering

- Working together with customers to develop tailor-made lubrication solutions to meet specific needs
- 3-D CAD data available in native format in the online product catalogue
- SKF LubCAD app for mobile devices
- Investment in research and development, resulting in numerous patents

Here for you, wherever you are

With lubrication application centres located on every continent and a worldwide distributor network, SKF has the people, products and support you need to optimize your lubrication management programme.

For more information, contact your SKF representative or visit skf.com/TheFormula.

Our lubrication specialists can provide:

- Customized lubrication system design
- System installation and start up
- Service and repair
- Lubrication analysis and testing
- Lubrication management training
- Warranty support
- System maintenance contracts
- Surveys and recommendations
- Return-on-investment (ROI) analysis
- Guidance on safety and environmental issues
- Pre-assembled lubrication kits for easy retrofitting
- Local inventory of system components and spare parts
- Procurement logistics and synchronized production



Global availability

- Worldwide distributor network
- Combined network of experienced partners



The Power of Knowledge Engineering

Combining products, people, and application-specific knowledge, SKF delivers innovative solutions to equipment manufacturers and production facilities in every major industry worldwide. Having expertise in multiple competence areas supports SKF Life Cycle Management, a proven approach to improving equipment reliability, optimizing operational and energy efficiency and reducing total cost of ownership.

These competence areas include bearings and units, seals, lubrication systems, mechatronics, and a wide range of services, from 3-D computer modelling to cloud-based condition monitoring and asset management services.

SKF's global footprint provides SKF customers with uniform quality standards and worldwide product availability. Our local presence provides direct access to the experience, knowledge and ingenuity of SKF people.



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