



Automatic lubrication solutions from SKF

Benefits

- Extended bearing service life and reliability through proper lubrication
- Prevention of over-lubrication and related risk of food contamination
- Reduced energy consumption due to prevention of temperature increases and friction
- Increased worker safety by installation in hazardous areas
- Reduced costs for lubricant, repairs, and downtime

Typical applications

All rotating equipment or applications needing relubrication in food and beverage processes, including:

- beverages lines
- sugar processing
- bakeries
- meat processing
- confectionary and other processes

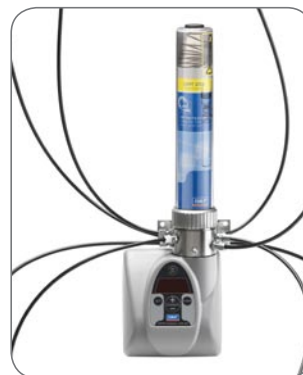
SKF automatic lubrication systems enhance reliability, safety and cost control

For food and beverage manufacturers, improper manual lubrication can impact reliability, efficiency, food contamination, operator safety, energy waste and operating costs. Over- or under-lubricating can damage bearings and seals, compromising bearing service life, and resulting in unplanned downtime. Too much grease can cause a number of problems including: food contamination; increased energy usage resulting from surface-to-lubricant friction and increased temperatures; and unnecessary costs for expensive food grade lubricant. Additionally, operator safety can be compromised by manual lubrication work in hazardous areas.

SKF SYSTEM 24 and SKF MultiPoint Lubricator provide solutions to these problem areas. These systems can be mounted for one or multiple lubrication points, and deliver the right amount of the appropriate lubricant 24 hours a day, seven days a week. A unique Dial Set program enables plant operators to set up the system quickly and accurately for optimum performance.



While eliminating issues related to improper lubrication, the SKF solution delivers important advantages. Extended bearing service life reduces downtime and related costs, while enabling increased productivity. Food contamination and worker safety issues are minimized. And, profitability is increased through savings in lubricant costs, energy consumption, maintenance and repair expenses.



Flexible automatic lubricators provide the appropriate amounts of lubrication when needed, to help reduce energy consumption, food contamination and cost of food grade lubricant



Increase the return on your maintenance investment with SKF

The whole idea behind the SKF 360° Solution programme is to help you get more out of your plant machinery. Whether your goals include lowering maintenance costs, raising productivity, or improving safety, hygiene and sustainability, SKF can assist. Following is an example of the SKF 360° Solution programme at work in the food and beverage industries.

Food processor improves operator safety, reliability with SKF automatic lubrication solutions

A major food processing plant was lubricating bearing positions manually. But, with 150 hard-to-reach critical lubrication points throughout the plant, it was difficult to maintain the proper lubrication and to monitor equipment lubrication needs. Bearings were often over lubricated or under lubricated, resulting in frequent bearing failures, shutdowns and costs related to machine repairs and maintenance. The challenges



of reaching some lubrication areas presented a continual risk of operator injury.

SKF recommended the installation of SYSTEM 24 LAGD series automatic lubricators for all 150 lubrication points. The system provided an easy-to-manage

lubrication process and proper lubrication 24 hours a day, seven days a week. As a result, downtime was reduced and productivity increased. Savings were realized in grease costs, and in parts and labour previously needed for machine lubrication and repairs.

Summary*

Annual savings in grease costs	€ 2 000
Value of increased production	€ 10 000
Value of parts and labour for machine repair.	€ 29 000
Total savings	€ 41 000

* All numbers are rounded off and based on customer estimates. Your particular cost savings may vary.

© SKF and SYSTEM 24 are registered trademarks of the SKF Group.

© SKF Group 2009

The contents of this publication are the copyright of the publisher and may not be reproduced (even extracts) unless prior written permission is granted. Every care has been taken to ensure the accuracy of the information contained in this publication but no liability can be accepted for any loss or damage whether direct, indirect or consequential arising out of the use of the information contained herein. Any cost savings and revenue increases in this publication are based on results experienced by SKF customers and do not constitute a guarantee that any future results will be the same.

Publication 6094/I EN · April 2009

