



SKF ChainLube, airless oil projection system

Benefits

- Supports HACCP process by preventing foreign body ingress
- Eliminates risk of missed lubrication points due to human error
- Improves productivity by eliminating unplanned downtime
- Extends service life by reducing chain wear
- Enhances operator safety by reducing maintenance tasks
- Improves cleanliness by reducing excess lubricant

Typical applications

- Baking ovens, proofers, dryers and other high-temperature (180-250 °C (356-482 °F)), high-humidity applications
- Freezers and other low temperature (-40 °C (-104 °F)) applications
- Conveyors in wet areas

A reliable, easy-to-use solution for accurate, automatic chain lubrication and support of the HACCP process for safe food production

Inadequate chain lubrication and irregular lubrication cycles can lead to premature chain wear, causing the need for frequent chain replacement. The resulting downtime can be costly in terms of repairs and lost productivity. Improper manual lubrication practices can increase the risk of injury, as operators must lubricate chains while they are in motion. Conventional air-assisted chain lubrication techniques are operator-safe, but they can pose food contamination hazards due to oil mist formation.

Improved reliability and maximized chain service life

The SKF ChainLube system provides accurate lubrication of chains, with no need to connect to a compressed air supply. This reduces the risk of potential food contamination from oil mist, and the phenomena of oil evaporation in high temperature applications. Best suited for lubrication of chains with speeds below 3 pitches per second, the system can withstand nozzle-area temperatures of -40 °C (-104 °F) (depending on oil viscosity) up to 220 °C (428 °F).

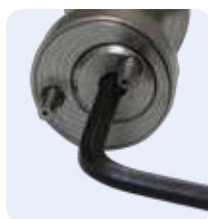


Stainless steel tubing, nozzles, sensors and fixing supports – plus an IP 65 rated central unit – make this lubrication system suitable for food industry requirements.

The SKF ChainLube, airless oil projection system features a volumetric piston pump and a control unit that enable delivery of precisely metered lubricant volumes at preferred intervals, pitch-by-pitch. Projection nozzles, which have no mechanical contact with the chains, prevent dirt accumulation and applicator wear.



SKF range of high quality, NSF-approved food-grade lubricants.



Innovative, adjustable nozzles ensure precise lubricant projection.



A central unit with integrated automation, pumping systems and reservoir makes installation simple and usage easy.

For additional information and advice about an SKF ChainLube solution suited to your requirements, contact your SKF Authorized Distributor or local SKF representative.

SKF



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.

Mushroom producer reduces lubricant consumption while increasing chain reliability with SKF ChainLube

A mushroom producer found that manual lubrication of its conveyor chains was proving to be increasingly costly, inefficient and time-consuming. The weekly manual applications consumed high amounts of lubricant, but were still not sufficient to keep the chains properly lubricated.

In addition, oil leakage during manual lubrication was resulting in hygiene problems, risks of food contamination, slippery floors and additional clean-up costs.

SKF recommended the ChainLube, airless oil projection system. This helped reduce lubricant use considerably – reducing oil consumption from 20 litres to 3 litres per week.

The mushroom producer was also able to reduce the amount of labour involved (including associated costs) by three times, as well as reduce the risk of food contamination.

Implementation of the SKF ChainLube airless oil projection system also resulted in improved operator safety and reduced cleaning costs. In addition, operators appreciated the new system's ease of use, as it allowed for simplified oil refills and, as a result of its built-in alarms, easy visual check of lubrication status.



Summary of savings*

Previous lubricant consumption	20 litres/week
New lubricant consumption	3 litres/week
Lubricant savings	17 litres/week
Total lubricant savings	884 litres/year

Other benefits

Reduced risk of food contamination

Improved operator safety

Reduced cleaning costs

* All figures are rounded off and based on customer estimates.

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