



Take a bite out of maintenance costs with SKF® Solid Oil encapsulated lubrication

Benefits

- Virtually maintenance free
- Increased HACCP compliance—reduced chance of grease contaminating food.
- Extended service life and lower machine downtime
- Can be applied to almost any bearing
- USDA H1 approved
- Wide temperature range – -40° F to +185° F

Typical applications

Food industry conveyors and washdown equipment for:

- Poultry
- Red meat/pork
- Frozen foods – tunnel freezer applications
- Vegetables, flour, cereal production

Constantly lubricates bearing surfaces and helps eliminate failure resulting from contamination



As much as 40% of premature bearing failures in the food industry are due to improper lubrication. These environments also introduce potentially damaging food particles like flour and breadings that can quickly destroy conventional bearings—resulting in reduced bearing life and expensive machine downtime. Plus, conventional re-greasing and automatic lubrication systems can introduce the potential for food contamination.

The solution is SKF® Solid Oil encapsulated lubrication, which can be applied to virtually any bearing. Solid Oil uses a polymer matrix saturated with lubrication oil that completely fills the internal space and encapsulates the cage and rolling elements. Solid Oil keeps more lubricant on the bearing surface than a corresponding greased bearing (in some cases 2-4 times as much). Solid Oil bearings do not require relubrication and are virtually maintenance-free.

An added benefit of Solid Oil is that it keeps food particles out, since the internal space is completely filled. Solid Oil is also resistant to most food industry washdown chemicals and has an operational range of -40° F to +185° F.



For more information on SKF products and solutions for the food and beverage industry, contact your SKF Authorized Distributor or visit us at www.skfusa.com.

SKF

Authorized
Distributor



Increase the return on your maintenance investment with SKF.

The whole idea behind the SKF 360° Solution is to help you get more out of your plant machinery and equipment investment.

This means lowering your maintenance costs, or raising your productivity, or both! Following is an example of the SKF 360° Solution at work in the food industry.

SKF Solid Oil conversion yields over 2000 percent ROI for food processor.

A major food processor was experiencing bearing failure and costly machine downtime due to improper lubrication and bearing contamination by food particles.

For 70 hard-to-reach or critical lube points, the plant decided to try the SKF Solid Oil solution.

The results: Grease costs were reduced. Maintenance labor to re-grease bearings was better utilized. Overall the plant was more HACCP-friendly. Included at right are the hard numbers for a 30-month time period*.

How much will you save with SKF Solid Oil?

How much are you losing from improper bearing lubrication? What is the total cost in labor, grease and downtime? Sit down with an authorized SKF representative – we can run ROI calculations for your specific application and show you exactly how much you can save by using SKF Solid Oil encapsulated lubrication.

ROI summary*

Grease and time savings	\$29,059
Reduction in product replacement costs	\$25,704
Total savings	\$54,763
Investment in SKF Solid Oil	\$13,300
Return on investment	311%

This plant was also able to document increased production revenue, directly attributable to using Solid Oil. These numbers are even more impressive:

ROI summary*

Grease and time savings	\$29,059
Reduction in product replacement costs	\$25,704
Increased production	\$236,250
Total savings	\$291,013
Investment in SKF Solid Oil	\$13,300
Return on investment over 30 months.....	2008%



SKF 360° Solution ROI calculations are from the SKF Documented Solutions Program. Ask your SKF Authorized Distributor for more details.

*All numbers are based on customer's estimates of labor, grease, bearing, and production values. Your particular cost savings results may vary.

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