



Reduce bearing maintenance with self-lubricating SKF® Solid Oil encapsulated lubrication

Constantly lubricates bearing surfaces and helps eliminate failure resulting from contamination

Benefits

- Provides lubrication to hard-to-access bearings
- Virtually maintenance free—no re-lubrication required
- Brings more oil to the bearing than standard grease lubrication
- Keeps contaminants from damaging bearing surfaces
- Resistant to chemicals
- Can withstand large rotational forces
- Does not affect bearing load ratings

Typical applications

- Metal manufacturing
- Paper mills
- Steel mills – plate, slab, strip, blast furnace
- Overhead cranes
- Rock and stone conveyors
- Shipyards



Lack of lubrication and contaminant damage are leading causes of premature bearing failure in industrial

applications. Maintenance technicians can overlook critical bearings, especially those in hard-to-reach locations.

Lubricant can get thrown out under high rotational forces. Metal and dirt particles can enter bearing spaces, quickly damaging the rollers and races. Automatic lubrication systems aren't always the answer; they can be expensive to install and difficult to maintain.

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.

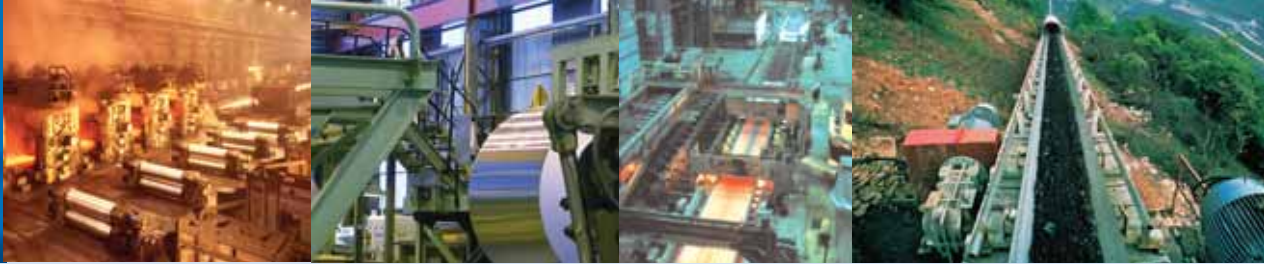
An added benefit of Solid Oil is that it keeps dirt and metal particles out, since the internal space is completely filled. Solid Oil is also resistant to most maintenance cleaning chemicals and has an operational range of -40° F to +185° F.



For more information on SKF solid oil, or any other SKF products, contact your SKF Authorized Distributor or visit www.skfusa.com

SKF

Authorized
Distributor



SKF puts more ROI in your MRO!

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

This can mean lowering your maintenance costs, raising your productivity, or both! Here's an example of the SKF 360° Solution at work.

Steel mill saves over \$100,000 with SKF Solid Oil encapsulated lubrication.

A steel mill was having an excessive number of bearing failures on their overhead crane wheel bearings due to inadequate lubrication. SKF's Solid Oil lubrication solution was implemented on 30 overhead cranes. The average mean time between failure for overhead crane wheel bearings increased from less than 1 year to over 5 years.



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 Solid Oil encapsulated lubrication.

ROI summary*

Grease and time savings	\$11,080
Reduction in product replacement costs	\$36,450
Increased production	\$89,200
Total savings	\$136,730
Investment in SKF Solid Oil	\$28,600
Return on investment over 5 years	378%



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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