



The SKF Machine Health Reporting Program

Benefits

Helps to:

- Reduce unplanned downtime
- Reduce maintenance costs
- Improve machine availability
- Prevent catastrophic failures
- Help prevent lost productivity

Typical applications

- Motors
- Pumps
- Fans
- Compressors
- Gearboxes

For more information on the SKF Machine Health Reporting Program, contact your SKF Authorized Distributor.

The benefits of predictive maintenance – at a fraction of the cost

For years, large-scale manufacturers have been using predictive maintenance (PdM) programs to cut maintenance costs, boost machine availability and prevent production losses. For small to medium-size manufacturers, however, PdM program investment costs have put these benefits out of reach – start-up costs alone often exceed \$100,000 per year. SKF has a much more affordable solution.

A partnership – you collect the data, SKF analyzes it

The SKF Machine Health Reporting Program is a partnership offering that can help your plant enjoy many of the benefits of a comprehensive predictive maintenance program – without the need to invest in condition monitoring equipment or specialized data analysis training that a PdM program requires.

SKF instructs your maintenance personnel how to use an SKF handheld data collector to capture vibration data during their normal duties. Collected data is transmitted to SKF via the Internet, then analyzed by a certified SKF Reliability Engineer who identifies problems and recommends actions to avoid unplanned downtime.



Program highlights

The SKF Machine Health Reporting Program allows your team to tap into decades of SKF predictive maintenance and rotating machinery analysis expertise, even as it enables them to focus on more production-related activities. For a monthly fee based on the number of machines you choose to monitor, the program delivers many benefits. Highlights include:

- SKF provides a state-of-the-art data collector and on-site instruction
- Your own people collect the vibration data
- SKF certified Reliability Engineers manage your database using specialized software
- SKF analyzes your data and publishes monthly Machine Health Reports on a private web page
- SKF calls to alert you to urgent machinery health conditions
- SKF keeps your program on track with quarterly visits and up to 12 out-of-schedule analyses





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 may mean lowering your maintenance costs, raising your productivity, or both! Below is an example of how the SKF 360° Solution can help your operation.

Documenting the cost of lost production – and the value of the SKF Machine Health Reporting Program

Small to medium-size manufacturers are understandably focused on production-related cost increases. Unfortunately, they often fail to consider the costs of lost production – those attributable to machinery stops due to breakdowns. These unplanned downtime costs can never be recovered, and they can include an expensive range of fixed, variable and industry-specific costs.

Consider the cumulative, bottom-line impact of just a few such expenses. Machinery and building capital costs. Electricity, insurance, property taxes and administrative costs. Delivery penalties and expedited shipping costs. Repair, scrap, or batch losses.

To illustrate this idea with some hard numbers – and to show how the SKF Machine Health Reporting Program could help an operation avoid such losses, we used SKF Documented Solutions Program software to develop the hypothetical situation outlined below.

The following example shows a manufacturer who is not operating at full capacity, but instead at just 16 hours per day, 5 days per week:

Mean time between repair (MTBR)	48 Months
How many machines will stop production	250
Average repair expense per repair	\$1,000.00
Cost per hour of stopped production	\$1,000.00
Potential productivity gain\$260,000/annum

* Figures above are based on a hypothetical situation developed with SKF Documented Solutions Program software.



Your manufacturing situation is unique, but the benefits of implementing the SKF Machine Health Reporting Program can apply to you. To help reveal your hidden potential, SKF has put together a net benefit statement. Check it out at www.skfprograms.com/mhrp.



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