SKF Certified Maintenance Partner

Turn your machine data into greater productivity with us.

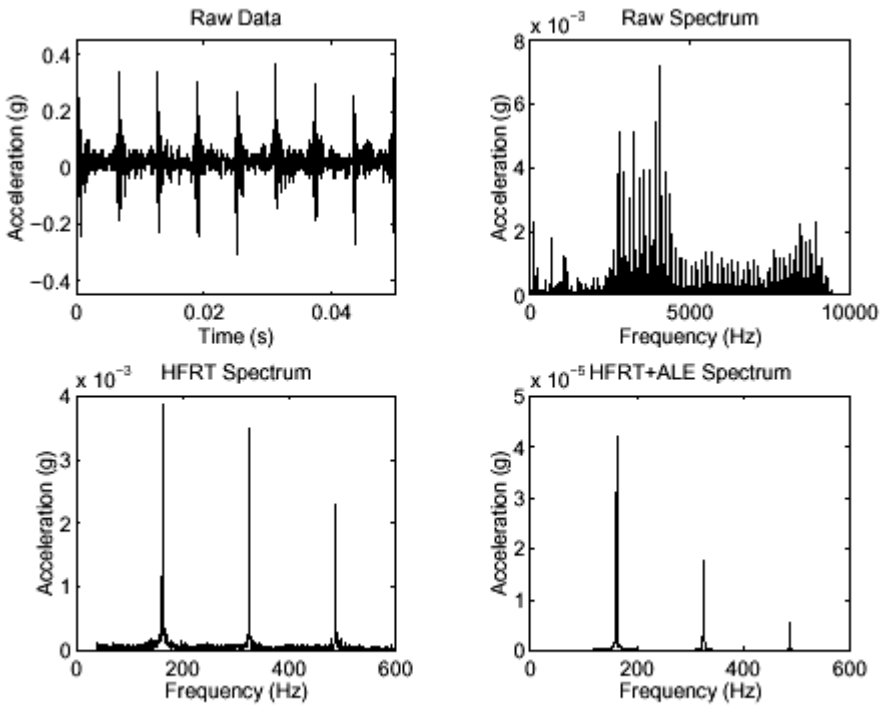

Fig. 7 349.32 μm Cup Scratch at1200 RPM.

You're always looking for ways to boost your plant's profitability. Perhaps you have already incorporated a predictive or preventative maintenance regime into your regular machine maintenance programme. You may be doing this internally or using the services of an outside firm to take vibration readings from selected machines.

But data collection alone is only a first step because the data extracted from your machinery is useless until it is interpreted and turned into an action item.

More than just another data collection Service

We have the expertise available to "design-out" recurring failures as we update your predictive and preventative maintenance programmes.

The services rendered by us to:

- **virtually eliminate catastrophic machine failures**
- **reduce maintenance costs**
- **increase plant productivity**
- **reduce overall cost of operation**

Predictive Maintenance (PdM)

We have been trained to provide this specialized service with the most advanced machine reliability hardware and software. Supported by the global resources of SKF, and using the latest technologies, Sujyoti can help you look inside your machinery to find savings you never suspected were possible.

Using proprietary software and databases, we will interpret your machine condition data—and recommend appropriate corrective actions. Taking care to treat your data with confidentiality, Sujyoti will provide a clear, concise report containing a summary of the readings and recommendations for all problem areas along with the Action Note. This report allows you faster access to the information you need.

Root Cause Failure Analysis (RCFA)

The main purpose of conducting a Root Cause Failure Analysis is to prevent the recurrence of the problem. This is done by physically verifying the patterns of the failed components and study the history of the machine component failure to reached to a conclusion and track the fault.

We have backup of tremendeous experience in this field and trained engineers who make recommendations based on the results obtained from conducting RCFA.

Root Cause Failure Analysis (RCFA) is an integral element of Predictive Maintenance services offered by us.

Alignment Services

Laser alignment services offered by us is marked as improvement on traditional ones. A laser alignment is quicker and more accurate alignment than traditional methods. Since misalignment has a direct, negative, impact on bearing service life. Both the Shaft and Belt alignment uses easy-to-use laser Tools, combines simplicity with a high degree of accuracy. They feature a three–step process for correcting alignment: Measuring, Aligning and Documenting.

Mounting / Dismounting Services

Around 16% of all premature bearing failures are a result of poor fitting or using incorrect mounting techniques. Individual applications may require mechanical, heat or hydraulic mounting methods for correct and efficient bearing mounting. Sujyoti offers you the services for mounting/dismounting technique appropriate for your application which will help you extend your bearing's service life and reduce costs resulting from premature bearing failure as well as potential damage to the application.

SKF Certified Maintenance Partner: optimizing your machine assets

Preliminary assessment

Before the programme can begin, we will complete a preliminary assessment of the machines your team has identified as critical to the production process. As part of the assessment, your maintenance personnel along with us will identify the number and location of data points, document the type of lubricants used and collect other information that is key to the condition monitoring process. From that information, we will be able to determine costs and identify procedural issues related to the project.

Database development

Upon acceptance of the proposal, a customized database will be created that establishes machine-specific information and operating parameters. This will allow collected data to be viewed, trended and analyzed from many perspectives. Based on the information in that database, alarms and alerts will be determined and pre-programmed so that they can be downloaded into the condition monitoring equipment.

Data collection and analysis

In accordance with the contract, we will collect appropriate machine reliability data at predetermined intervals and condition monitoring points and upload the information to SKF. Using the latest data analysis tools and software, we along with SKF Reliability Systems experts will interpret the data, drawing on the knowledge gained from thousands of machines worldwide.

Report and recommendations

Sujyoti will prepare a performance report that includes an evaluation of each machine's current condition and pending problem areas. In most cases, we will be able to offer a corrective action plan to help you achieve improved performance from your critical machinery assets.

The SKF connection

The SKF Certified Maintenance Partner is backed by almost 100 years of experience and a knowledge of rotating machine reliability that is unmatched in the world. Close working have given SKF a unique and intimate understanding of the processes and challenges specific to every major industry. As a technical partner to original equipment manufacturers worldwide, SKF may have even had a role in the design of the machinery in your plant.

A pioneer in the field of condition monitoring and evaluation, SKF continues to lead the way with the industry's most sophisticated yet user-friendly tools and technologies, from periodic and on-line condition monitoring, to machine reliability and decision support software. Through the SKF Certified Maintenance Partner, you can tap into the rich resources and experience of SKF to optimize your machine assets for increased productivity and profitability.