Operator driven reliability from SKF

Benefits

- Cut maintenance and repair costs
- Apply mill resources more cost-effectively
- Minimize planned and unplanned downtime
- Cut equipment lifecycle costs
- Improve machine asset availability
- Increase productivity
- Enable continuous improvements

Applications

- All pulp and paper processing areas

Put the power to reduce maintenance costs in your operators' hands

In an industry with such high investment and operating costs, keeping machines up and running for less is essential. But, for many mills, maintenance budgets are tightening just as maintenance ranks are dwindling. SKF's operator driven reliability (ODR) enables mills to answer these challenges by involving their operators more directly in the mill's machine reliability programme.

Why ODR?

Because of their proximity to equipment, operators are usually the first to detect even the smallest changes in process conditions and machinery health. Too often, their observations go unreported or are not effectively acted upon.

With ODR, operators take the lead role in communicating findings and initiating timely corrective actions for degrading equipment. ODR makes operators an integral part of an overall reliability-based asset management strategy, resulting in reduced maintenance costs and equipment downtime.

Why ODR from SKF?

SKF technology, training and tools enable a fully comprehensive, single-source ODR solution. After a full review of a mill's production and maintenance processes, SKF's ODR programme helps the operations team formalize, automate, and incorporate their process checks with the machine centerlining process and maintenance inspections.

Featuring proprietary technology, SKF's ODR system components are designed to work together seamlessly and integrate with a mill's computerized maintenance management system and/or decision support system. It also includes a documented implementation methodology tailored to meet a mill's unique goals and promote a sustainable, continuously improving ODR programme.

For more information about SKF products and solutions for the pulp and paper industry, contact your SKF representative.

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! Here's an example of the SKF 360° Solution at work in the pulp and paper industry.

SKF's ODR programme helps mill cut equipment failures by 25%

The problem

A million tonne per year linerboard producer was competing in a price conscious market. Margins were tight and the producer was looking for ways to cut costs and to gain a competitive advantage. They turned to SKF.

The SKF solution

After a detailed review process to establish programme goals, SKF and the mill decided to pursue a staged approach to a site-wide ODR programme. SKF worked with the company to review operator routes with the purpose of helping mill operators measure the right conditions at the right intervals. The process for data management was established and roles and responsibilities were clearly defined.

The results

Following a pilot programme in the powerhouse, ODR implementation then continued into the chemical department and paper mill. Eventually the programme went site-wide and included the wood yard, pulp mill, and secondary fibre plant.

The results have been good – major equipment failures have fallen by 25%, while overall equipment effectiveness and machine efficiency has risen by more than 2%. The mill also reports reductions in maintenance spending and unscheduled downtime, and notes that its "site scorecard" is on an improving trend, with future improvements expected to continue.

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