Optimize your maintenance strategy with SKF's SRCM process

Benefits:

- Reduces maintenance costs
- Increases productivity and profitability
- Captures knowledge base of plant personnel
- Creates a documented maintenance programme based on business goals
- Transforms maintenance from a cost to a profit centre
- Treats maintenance as a strategic process
- Makes positive changes to maintenance culture
- Conforms to SAE JA 1011 standard for reliability centred maintenance processes

SKF Asset Management Services focuses on Strategize, Identify, Control, Execute and Optimize. The SRCM process fits into the Strategize facet and has benefits throughout the continuum.

Proven process provides reliability-centred maintenance benefits faster and with fewer resources than traditional methods

SKF's SRCM process in hydrocarbon processing plants

Whether your plant is under construction, recently commissioned, or several decades old, the SRCM process from SKF can develop and/or improve your maintenance strategy. SRCM is a step-by-step process that first helps identify which equipment assets and systems are important to achieving the plant's business goals, then defines appropriate tasks and facilitates continuous improvements.

Successfully applying this process in hydrocarbon processing plants for over 20 years has enabled SKF to develop a set of best practice templates for most hydrocarbon processing assets. When combined with plant-specific knowledge, these SKF templates facilitate faster asset assessment and maintenance task development.

Identifying functional failures and analyzing criticality

Working closely with your personnel, SKF can help your facility identify the criticality of equipment assets – generally those that impact production, safety, or environmental compliance.

Root cause failure analysis with maintenance recommendations

For critical equipment, SKF selects dominant failure causes associated with the asset that need to be addressed through a planned maintenance programme. The maintenance tasks needed to prevent or predict these failures are determined through a combination of your plant's history and the SKF best practice templates.

Results

The results from an SRCM analysis include clearly identified preventive, predictive, and/or condition monitoring tasks, task frequencies, and the disciplines responsible for execution. Outputs also typically include an updated asset register and additional data that can be used to enhance your computerized maintenance management system (CMMS).

For more information about SKF products and solutions for the hydrocarbon processing 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 is an example of the SKF 360° Solution at work in the hydrocarbon processing industry.

SRCM process helps eliminate non-value-added tasks and reduce maintenance costs

The problem

Following several years of operation, a hydrocarbon processing plant's maintenance programme had grown to an unmanageable size. Each time an unplanned failure occurred, new tasks were added to the programme. The additional tasks were consuming valuable resources and inflating the maintenance budget to unacceptable levels.

The SKF solution

Using the SRCM process, SKF worked closely with the customer to establish equipment criticality based on the plant's business goals. Then, where justified by criticality, SKF applied the SRCM best practice templates and worked with plant personnel to design equipment-specific proactive maintenance programmes. SKF developed a planned maintenance programme that:

- Focused maintenance on critical equipment and dominant failure modes
- Emphasized condition-based tasks
- Eliminated unnecessary, non-value-added routine tasks
- Improved availability and reliability
- Freed up valuable resources

The results

The SRCM process was a success, with the plant reporting a:

- 70% reduction in the number of maintenance tasks annually
- 60% reduction in emergency work orders
- Shift in culture to condition-based maintenance

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