



Maintenance Strategy

MS212

Proactive Reliability Maintenance™ for Managers and Supervisors

Recommended for

Corporate and plant management and supervision personnel responsible for plant production and maintenance performance. Plant engineering, planning and scheduling, purchasing, and reliability personnel will also benefit from this comprehensive program.

Course objective

Provide information and training that enables corporate and plant level management to successfully implement precision and proactive maintenance practices towards a goal of improved reliability and profitability.

2009 course schedule

On-site only

2009 tuition

Public classes \$795

On-site

per class \$10,995

people 16

17+ people \$295 per person

2 days

A written examination is included with this course and is conducted on the afternoon of the final day of class.

Proactive Reliability Maintenance™ is a trademark of SKF USA Inc.

Course description

Improving the reliability of plant machinery is the key to gaining or maintaining a competitive advantage. However, many companies continue to struggle with poor reliability in spite of repeated improvement efforts.

The basis for success is changing the fundamental way maintenance is performed. Few maintenance programs have addressed this important topic. Computerized Maintenance Management Systems and condition-based maintenance programs can provide significant returns, but do little to modify actual hands-on maintenance practices. Repeated premature failures can be detected with condition monitoring and scheduled in the CMMS system at considerable savings over a run-to-failure maintenance mode. A proactive and precision approach, as presented in this course, identifies and corrects the root cause of the repeated failures.

Proactive and precision maintenance goes beyond root cause failure analysis. It affects the way routine maintenance is performed on all machinery, the way machines are operated, the specification and purchase of machinery and replacement parts, and the way maintenance and production are managed.

This course provides a detailed look at reliability and influencing factors and presents a practical approach to improving machinery reliability in any industry.

The course includes the following topics, with an emphasis on solutions over theory:

- Definitions of reliability based on industry and application
- Failure sources
- Beyond root cause—root prevention
- Reliability within the traditional maintenance models
- Overview of condition-based maintenance and common pitfalls
- Implementation of reliability—key steps towards positive change
- Conducting a maintenance practices assessment
- Monitoring performance and improvement—key performance indicators
- Overview of common machinery problems, their correction, and their prevention
- Precision and proactive mechanical maintenance techniques

Prerequisites

RMI On-line course*

MS101 Assessment basics

MS100 AEO Basics

Reading material*

IndPress05_ch4 Evaluation of current maintenance practices

MBO2007 Benchmarking for best practice

* On-line learning material at aptitudeexchange.com