



Develop and Manage Preventive Maintenance



Training Outline

**RUN YOUR TEAM WITH CONFIDENCE
KNOW WHAT TO DO AND WHEN TO DO IT**

www.idcon.com

919-947-8764

COURSE OBJECTIVES & BENEFITS

- Decrease the amount equipment breakdowns
- Reduction in maintenance costs
- Keep your team busy with work that boosts productivity
- Start every month with a plan that you know will get the results you want

RECOMMENDED ATTENDEES

Maintenance managers, reliability engineers, maintenance supervisors, and corporate reliability managers should attend this course.

Experienced tradespeople and other stakeholders who manage PM programs are also encouraged to attend.

Register
[www.idcon.com](http://www.idcon.com/events)
/events

TRAINING OUTLINE

With an effective Preventive Maintenance system in place, you will find equipment failures early and ensure equipment components are properly cared for and inspected at the right time and in the right way.

INTRODUCTION

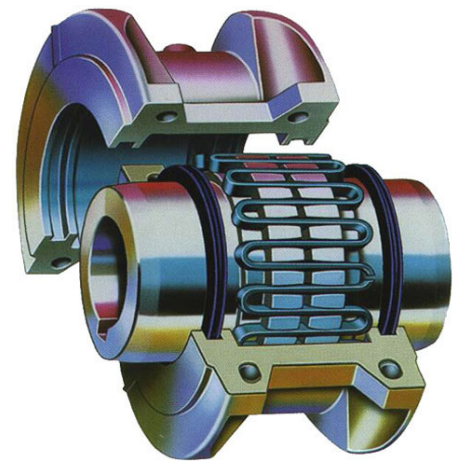
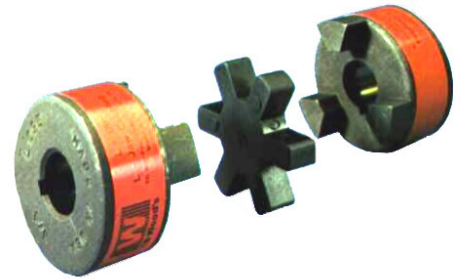
- Objectives
- Circle of continuous improvement
- Reliability and maintenance beliefs
- The value of good reliability and maintenance
- Culture and leadership
- Operations and maintenance partnership
- Operator essential care
- Key performance indicators
- How to drive reliability and maintenance improvements
- Current Best Practices
- Maintenance Definitions
- Difference between failure and breakdown
- Where do you spend your time
- Preventive Maintenance program benefits

SCOPING AND PREPARING A PILOT AREA

- Define the Scope of PM Review
 - The Project Charter
 - Assessing current situation
- Generate the list of equipment
- Criticality assessment of equipment
 - Prioritizing using Risk Based Work Selection method
- Collecting Information
 - existing PMs
 - History
- Assembling the team
- Developing the project plan

MAINTENANCE METHOD SELECTION

- Document: Function and Components
 - Divide equipment into components
 - Field verification
 - Subjective or objective methods
 - Essential care
 - How does the component work
 - How does it fail?
 - How can I prevent and/or predict failure
- Document: Failure Modes
 - What is the service function of the equipment
 - Condition Monitoring Standards (CMS)
 - Component life
 - Failure Developing Period (FDP)
 - Inspection frequency
- Document: Maintenance method & essential care tasks
 - Selecting the method
 - Consequence of breakdown
 - Who is going to do the maintenance tasks
 - Decide on-the-run or shutdown tasks
 - Documenting the PM/ECCM master spreadsheet



CREATING & IMPLEMENTING THE PROGRAM

- Trial implementation and test practicality
 - Involving craftspeople and operators
- Develop checklists, routes, and standard job plans
 - Creating PM task material
 - Inspection route sequence
 - Tools to use
 - Inspection route examples
 - Standard job plans
 - PM/ECCM process flow and responsibility
 - Scheduling PM tasks



Included with your course
\$125 value

CREATING & IMPLEMENTING THE PROGRAM

- Final Implementation, training & update CMMS
- Field preparation
- Modify guards for inspection
- Equipment tags
- Initial cleaning
- Measuring pointsGetting acceptance
 - Leadership
 - Communication
 - Training
- Develop Key Performance Indicators
- Technology needed to manage the PM program



SUSTAINING THE PROGRAM

- Ongoing Feed back and continuous improvement
 - Review and maintenance of PM data
 - Triggers



10 PRACTICAL STEPS

- Review of the steps needed to develop, test and maintain your Preventive Maintenance Program

IN-HOUSE TRAINING & ON-SITE IMPLEMENTATION

IDCON can customize any of our training courses for your plant and provide the coaching and implementation support to ensure your organization really uses the processes to garner the best results.

