



Best Maintenance Repair Practices

May 12-14, 2020 - Clemson, SC

at

“Southern Wesleyan University”

For more information send request to:

rsmith@worldclassmaintenance.org



Cost: \$850.00 per person

The objective of the course is to align Maintenance Technicians with Maintenance and Reliability Leadership in “Known Best Maintenance Practices” in addition to “Best Maintenance Repair/Restoration Practices”. This alignment will bring down barriers most organizations face when trying to optimize asset reliability.

Course Outline:

- Course Objectives
 - To enhance communication between Maintenance / Reliability Leadership and Technicians
 - To provide the vision and understanding of why Proactive Maintenance is critical to any organization
 - To define Roles and Responsibilities between technicians and management
 - To reduced turnover of Maintenance technicians because of lack of understanding between management and hourly technicians
 - To instill a sense of self worth and pride by seeking the CMRT Exam
 - To optimize asset reliability through a common mission and vision
 - To provide an overview of Best Maintenance Repair Practices
 - To provide “Hands On” Exercises to advance learning



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- **Course Content**
 - **Objective of CMRT Exam and Certification**
 - **Definition of Maintenance of Reliability Best Practices**
 - **Definition of Maintenance and Reliability Best Repair Practices**
 - **Causes of Equipment Failures**
 - **Inconsistent Execution of Work**
 - **Lack of effective Processes**
 - **Lack of Knowledge**
 - **Lack of Repeatability**
 - **Lack of proper aligned Leading and Lagging KPIs**
 - **Objectives of PM, PdM**
 - **What a good PM Procedure looks like and how to utilize it effectively**
 - **How write an Effective PM**
 - **How to optimize a PMs on a specific asset**
 - **Expectations of Maintenance Planning and Scheduling**
 - **Importance of Accurate Equipment Data**
 - **Work Order Expectations and Outcomes**
 - **Optimization of Asset Reliability through data**
 - **Failure Reporting, Analysis and Corrective Action**
 - **Mechanical Best Repair/Maintainability Practices**
 - **Electrical Best Repair/Maintainability Practices**
 - **Maintenance Stores Requirements**
 - **Security and why**
 - **Min/Max/Reorder Point**
 - **Maintenance Kitting**
 - **How a Schedule job should work with stores**
 - **Equipment Problems and Solutions**
 - **Equipment Problem Board with Pictures**
 - **Problems**
 - **Cause**
 - **Corrective Action Taken**
 - **Verification**
 - **Root Cause Analysis at the Technician Level**
 - **5 Whys**
 - **RCA Techniques used as a team**
 - **Repeatable procedures and why they are critical**



- **Work Execution**
 - **Discipline requirements for an expected outcome**
 - **Maintenance Knowledge and Skill (training)**
 - **Maintenance Rework**
 - **Tool Requirements**
 - **Parts and Material Requirements**
 - **Verification and Validation of Work Execution**
- **Best Maintenance Repair Practices – Electrical**
- **Best Maintenance Repair Practices - Mechanical**
- **Creating Simple Action Plan when one returns to work**
- **CMRT Exam (optional)**

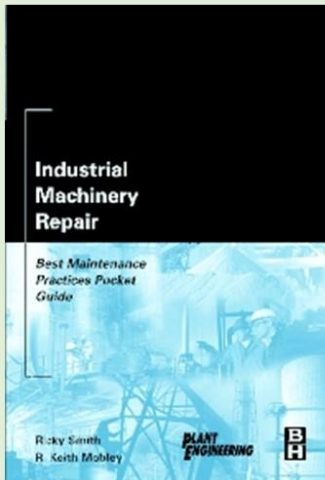


Table of Contents

- Why Utilize Best Maintenance Repair Practices?
- What is True Preventive Maintenance?
- Maintenance Skills Assessment
- Safety
- Balancing; Bearings; Chain Drives
- Compressors; Control Valves
- Conveyors; Couplings
- Dust Collectors
- Fans and Motors
- Gears
- Hydraulics
- Lubrication
- Machinery Installation
- Mixers and Agitators
- Packing and Seals
- Precision Measurements
- Pumps
- Steam Traps
- V-Belt Drives
- Welding

Link to book: <https://www.elsevier.com/books/industrial-machinery-repair/smith/978-0-7506-7621-2>

This book will be provided to every person who attends.



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