AMMJ - Maintenance Books

Asset Management and Maintenance Journal's Book List

Prices are valid until 30th January 2010. All prices are Australian Dollars. Prices for Australia Include Postage and GST.
Prices for the rest of the World add the following shipping charges: One book add Aus$40; Each additional book add Aus$25.

1. MAINTENANCE and RELIABILITY BEST PRACTICES

Ramesh Gulati and Ricky Smith **2009** **420pp** **$140**

Many years experience packed into one book. Useful to both the novice and seasoned professionals. Topics include Best Practices; Culture and Leadership; Understanding Maintenance; Work Management, Planning and Scheduling; Inventory Management; Measuring and Design for Reliability and Maintainability; Role of Operations; PM Optimization; Managing Performance; Workforce Management; M & R Analysis Tools; etc.

2. FAILURE MAPPING

Daniel T Daley **2009** **165pp** **$115**

A new powerful tool for improving reliability and maintenance. Failure Maps help describe past failures accurately and succinctly. Recording failure histories in a manner that will make the records useful in the future. Using failure Maps to improve reliability by identifying failure mechanisms. Improving the effectiveness of diagnostic and troubleshooting processes. Improving the effectiveness of "triage" as part of failure response.

3. THE 15 MOST COMMON OBSTACLES TO WORLD-CLASS RELIABILITY

Don Nyman **2009** **150pp** **$85**

This book is intended as a wake up call to those wishing to implement World-Class Reliability. The main obstacles that must be addressed by middle managers, engineers and functional specialists in the pursuit of Maintenance and Reliability excellence. It focuses on the managerial leadership, cultural change, organization-wide commitment, and perseverance required to transform from a reactive to proactive system.

4. MAINTENANCE ENGINEERING HANDBOOK 7th Edition

L.R. Higgins, K. Mobley and D.J. Wikoff **2008** **1200pp** **$290**

This handbook is a one stop source of answers on all maintenance engineering functions, from managing, planning, and budgeting to solving environmental problems. The Seventh Edition has been thoroughly revised with eleven all new chapters along with complete updates of key sections. A valuable source of information for Maintenance Engineers, Managers, Plant Engineers, Supervisors and Maintenance technicians.

5. MAINTENANCE STRATEGY SERIES (5 Volumes)

Terry Wireman

5.1 Preventive Maintenance (Vol 1) 2007 220pp $125

Details the importance of preventive maintenance to an overall maintenance strategy. The text illustrates how the components of any maintenance strategy are interlinked with dependencies and the performance measures necessary to properly manage the preventive maintenance program.

5.2 MRO Inventory and Purchasing (Vol 2) 2007 150pp $125

Shows how to develop an inventory and purchasing program for MRO spares and supplies as part of an overall strategy. Specifically, the text focuses on the importance of a well organized storage location and part inventory numbering system detailing to the reader the most effective ways to accomplish this goal. The receiving and parts issues disciplines are discussed in detail.

5.3 Maintenance Work Management Processes (Vol 3) 2007 200pp $125

Focuses on developing a work management process that will support the maintenance strategy components. It outlines a financially cost effective process that collects the data to use advanced strategies such as RCM and TPM. The text extensively details the maintenance organizational development process and then outlines nine basic work management flows. The nine flows are then discussed in detail.

5.4 Successfully Utilizing CMMS/EAM Systems (Vol 4) 2008 200pp $125

Shows how CMMS/EAM systems are necessary to support a maintenance and reliability organization in companies today. The proper methodologies for selecting and implementing a CMMS/EAM system. How to properly utilize the system to gain a maximum return on the system investment.The organization and methodology to truly achieve Enterprise Asset Management - an elusive goal for most organizations.

5.5 Training Programs for Maintenance Organizations (Vol 5) 2009 200pp $125

Highlights the need for increased skills proficiency in maintenance and reliability organizations today. Skills shortages. Developing cost-effective and efficient skills training programs. Modern tools for duty, task, and needs analysis - creating a complete skills development initiative. The reader will be able to use information in this text to develop or enhance a skills training program in their company

6. FACILITY MANAGER'S MAINTENANCE HANDBOOK 2ND Edition

B. Lewis and R Payant **2007** **560pp** **$240**

This essential on-the-job resource presents step-by-step coverage of the planning, design, and execution of operations and maintenance procedures for structures, equipment, and systems in any type of facility. Now with 40% new information, this Second Edition includes brand-new chapters on emergency response procedures, maintenance operations benchmarking and more. This book covers both operations & maintenance.

7. IMPROVING RELIABILITY & MAINTENANCE FROM WITHIN

Stephen J. Thomas **2007** **350pp** **$125**

This unique book is perfect for those who are internal consultants…and may not know it. This practical resource does more than start internal consultants on the road to improvement, it accompanies them on the journey! Upper management looking to understand internal consulting, middle tier reliability and maintenance management, and those who hold "special projects" positions will find this reference extremely useful.

8. PLANT MAINTENANCE MANAGEMENT (3 Volumes)

Anthony Kelly **2006** **3 Volume Set** **$295**

8.1 Strategic Maintenance Planning Individual Book Price $140

Imparts an understanding of the concepts, principles and techniques of preventive maintenance and shows how complexity can be resolved by a systematic 'Top-Down Bottom-Up' approach.

8.2 Managing Maintenance Resources Individual Book Price $140

Shows how to reduce the complexity of organizational design through a unique way of modeling the maintenance-production organization along with organizational guidelines to provide solutions to identified problems.

8.3 Maintenance Systems and Documentation Individual Book Price $140

Addresses the main systems necessary for the successful operation of a maintenance organization, such as performance control, work control and documentation, and shows how they can be modelled, their function and operating principles.

9. MAINTENANCE BENCHMARKING & BEST PRACTICES

Ralph W Peters **2006** **566pp** **$165**

This guide provides benchmarking tools for the successful design and implementation of a customer-centered strategy for maintenance. Included in this guide is the author-devised "Maintenance Operations Scoreboard". This has been used to perform over 200 maintenance evaluations in over 5,000 profit centered maintenance organizations.

10. COMPUTERISED MAINTENANCE MANAGEMENT SYSTEMS MADE EASY

Kishan Bagadia **2006** **267pp** **$180**

Written by a world-renowned CMMS expert, Computerized Maintenance Management Systems Made Easy presents a clear, step-by-step approach for evaluating a company's maintenance, then selecting the right CMMS and implementing the system for optimal efficiency and cost-effectiveness.

11. PLANT AND MACHINERY FAILURE PREVENTION

A A Hattangadi **2005** **458pp** **$230**

Plant and Machinery Failure Prevention is based on the premise of "Zero-Failure Performance". The book introduces the general features and investigative methods at the design phase for determining failures in mechanical components such as: Flat Belt Failures, Vee-belt Failures, Pulley Failures, Gear Failures, Steel Wire Rope Failures, Spring Failures, and Gasket Failures. Includes numerous case studies.

12. MAINTENANCE PLANNING & SCHEDULING HANDBOOK 2nd edition

Richard D Palmer **2005** **544pp** **$185**

Written by an author with over two decades of experience, this classic handbook provides proven planning and scheduling strategies and techniques that will take any maintenance organization to the next level of performance. This book is regarded as the chief authority for establishing effective maintenance planning and scheduling in the real world. The second edition has important new sections.

13. TOTAL PRODUCTIVE MAINTENANCE - Reduce or Eliminate Costly Downtime

Steven Borris **2006** **448pp** **$180**

With equipment downtime costing companies thousands of dollars per hour, many turn to Total Productive Maintenance as a solution. Short on theory and long on practice, this book provides examples and case studies, designed to provide maintenance engineers and supervisors with a framework for strategies, day-to-day management and training techniques that keep their equipment running at top efficiency.

14. PRODUCTION SPARE PARTS – Optimizing the MRO Inventory Assets

Eugene C Moncrief **2006** **307pp** **$125**

Spare parts stocking theory and practice. Uses the Pareto Principal to achieve superior results with a minimum of investment of time. Includes the following topics: the risks inherent in setting inventory stocking levels, setting the reorder point, setting the reorder quantity, determining excess inventory, how to avoid unnecessary purchases of spares, and how to set and monitor goals for inventory improvement.

15. MANAGING FACTORY MAINTENANCE 2nd Ed

Joel Levitt **2005** **320pp** **$125**

This second edition tells the story of maintenance management in factory settings. . World Class Maintenance Management revisited and revised, evaluating current maintenance practices, quality improvement, maintenance processes, maintenance process aids, maintenance strategies, maintenance interfaces, and personal development and personnel development.

16. THE MAINTENANCE SCORECARD – Creating Strategic Advantage

Daryl Mather **2005** **257pp** **$125**

Provides the RCM Scorecard, which is unique to this book and has not been done previously to this level of detail. Includes information and hints on each phase of the Maintenance Scorecard approach. Focuses at length on the creation of strategy for asset management and details the differences between various industry types, sectors and markets.

17. IMPROVING MAINTENANCE & RELIABILITY THROUGH CULTURAL CHANGE

Stephen J Thomas **2005** **356pp** **$125**

This unique and innovative book explains how to improve maintenance and reliability performance at the plant level by changing the organization's culture. This book demystifies the concept of organizational culture and links it with the eight elements of change: leadership, work process, structure, group learning, technology, communication, interrelationships, and rewards.

18. PRACTICAL MACHINERY VIBRATION ANALYSIS & PREDICTIVE MAINTENANCE

Scheffer & Girdhar **2004** **272pp** **$150**

Develop and apply a predictive maintenance regime for machinery based on the latest vibration analysis and fault rectification techniques.
Build a working knowledge of the detection, location and diagnosis of faults in rotating and reciprocating machinery using vibration analysis.
Gain an understanding of the latest techniques of predictive maintenance including oil and particle analysis, ultrasound & thermography.

19. LEAN MAINTENANCE - Reduce Costs, Improve Quality, & Increase Market Share

R Smith & B Hawkins **2004** **304pp** **$160**

This Handbook provides detailed, step-by-step, fully explained processes for each phase of Lean Maintenance implementation providing examples, checklists and methodologies of a quantity, detail and practicality that no previous publication has even approached. It is required reading, and a required reference, for every plant and facility that is planning, or even thinking of adopting 'Lean' as their mode of operation.

20. MANAGING MAINTENANCE SHUTDOWNS & OUTAGES

Joel Levitt **2004** **208pp** **$125**

Brings together the issues of maintenance planning, project management, logistics, contracting, and accounting for shutdowns. Includes hundreds of shutdown ideas gleaned from experts worldwide. Procedures and strategies that will improve your current shutdown planning and xecution.

21. EFFECTIVE MAINTENANCE MANAGEMENT - Risk and Reliability Strategies for Optimizing Performance

V Narayan **2004** **288pp** **$130**

Providing readers with a clear rationale for implementing maintenance programs. This book examines the role of maintenance in minimizing the risks relating to safety or environmental incidents, adverse publicity, and loss of profitability. Bridge the gap between designers/maintainers and reliability engineers, this guide is sure to help businesses utilize their assets effectively, safely, and profitably.

22. MACHINERY COMPONENT MAINTENANCE & REPAIR 3rd Ed

Bloch & Geitner **2004** **650pp** **$255**

The names Bloch and Geitner are synonymous with machinery maintenance and reliability for process plants. They have saved companies millions of dollars a year by extending the life of rotating machinery in their plants. Extending the life of existing machinery is the name of the game in the process industries, not designing new machinery. This book was the first and is still the best in its field.

23. DEVELOPING PERFORMANCE INDICATORS FOR MANAGING MAINTENANCE 2nd Edition

Terry Wireman **2004** **288pp** **$120**

While the previous edition concentrated on the basic indicators for managing maintenance and how to link them to a company's financials, the second edition addresses further advancements in the management of maintenance. One of only a few comprehensive collections of performance indicators for managing maintenance in print today.

24. RELIABILITY DATA HANDBOOK

Robert Moss **2004** **320pp** **$315**

Focusing on the complete process of data collection, analysis and quality control, the subject of reliability data is covered in great depth, reflecting the author's considerable experience and expertise in this field. Analysis methods are not presented in a clinical way – they are put into context, considering the difficulties that can arise when performing assessments of actual systems.

25. HANDBOOK OF MECHANICAL IN-SERVICE INSPECTIONS – Pressure Vessels & Mechanical Plant

Clifford Matthews **2003** **690pp** **$495**

This comprehensive volume gives detailed coverage of pressure equipment and other mechanical plant such as cranes and rotating equipment. There is a good deal of emphasis on the compliance [UK standards] aspects and the duty of care requirements placed on plant owners, operators, and inspectors.

26. BENCHMARK BEST PRACTICES IN MAINTENANCE MANAGEMENT

Terry Wireman **2003** **228pp** **$130**

This book will provide users with all the necessary tools to be successful in benchmarking maintenance management. It presents a logical step-by-step methodology that will enable a company to conduct a cost-effective benchmarking effort. It presents an overview of the benchmarking process, a self analysis, and a database of the results of more than 100 companies that have used the analysis.

27. RCM - GATEWAY TO WORLD CLASS MAINTENANCE

A Smith & G Hinchcliffe **2003** **337pp** **$145**

Includes detailed instructions for implementing and sustaining an effective RCM program; Presents seven real-world successful case studies from different industries that have profited from RCM; Provides essential information on how RCM focuses your maintenance organization to become a recognized 'center for profit'. It provides valuable insights into preventive maintenance practices and issues.

28. INDUSTRIAL MACHINERY REPAIR - Best Maintenance Practices Pocket Guide

R Smith, R K Mobley **2003** **537pp** **$105**

The new standard reference book for industrial and mechanical trades. Industrial Machinery Repair provides a practical reference for practicing plant engineers, maintenance supervisors, physical plant supervisors and mechanical maintenance technicians. It focuses on the skills needed to select, install and maintain electro-mechanical equipment in a typical industrial plant or facility.

29. AN INTRODUCTION TO PREDICTIVE MAINTENANCE 2nd Edition

Keith Mobley **2002** **337pp** **$195**

This second edition of An Introduction to Predictive Maintenance helps plant, process, maintenance and reliability managers and engineers to develop and implement a comprehensive maintenance management program, providing proven strategies for regularly monitoring critical process equipment and systems, predicting machine failures, and scheduling maintenance accordingly.

30. MAINTENANCE PLANNING, SCHEDULING & COORDINATION

Dan Nyman and Joel Levitt **2001** **228pp** **$115**

Planning, parts acquisition, work measurement, coordination, and scheduling. It also addresses maintenance management, performance, and control; and it clarifies the scope, responsibilities, and contributions of the Planner/Scheduler function and the support of other functions to Job Preparation, Execution, and Completion. This book tells the whole story of maintenance planning from beginning to end.

31. RELIABILITY, MAINTAINABILITY AND RISK 7th Ed

David Smith **2005** **368pp** **$170**

Reliability, Maintainability and Risk has been updated to ensure that it remains the leading reliability textbook - cementing the book's reputation for staying one step ahead of the competition. Includes material on the accuracy of reliability prediction and common cause failure .
This book deals with all aspects of reliability, maintainability and safety-related failures in a simple and straightforward style.

32. ASSET MANAGEMENT AND MAINTENANCE - THE CD

Nicholas A Hastings **2000** **820 slides** **$150**

Asset Management and Asset Management Overview; Life Cycle Costing; Maintenance Organisation & Control; Spares & Consumables Management; Failure Mode and Effects Analysis; Risk Analysis and Risk Management; Reliability Data Analysis; Age Based Replacement Policy Analysis; Availability and Maintainability; Measuring Maintenance Effectiveness; Reliability of Systems; etc.

33. ENGINEERING MAINTAINABILITY – How To Design For Reliability & Easy Maintenance

B S Dhillon **1999** **254pp** **$265**

Maintainability Management; Maintainability Measures, Functions, and Models; Maintainability Tools; Specific Maintainability Design Considerations; Human Factors Considerations; Safety Considerations; Cost Considerations; Reliability-Centred Maintenance; Maintainability Testing, Demonstration, and Data; Maintenance Models.

34. CONDITION MONITORING STANDARDS VOLUMES I, II, III and IV **Torbjorn Idhammar**

The CMS documents (in colour) explain the condition monitoring actions, brief inspection points, detailed instructions and suggested intervals.

34.1 CONDITION MONITORING STANDARDS VOLUME 1 **2001** **124pp** **$295**

CMS: Motor AC; Coupling Tire; Coupling Sure flex; Coupling Grid; Coupling Thomas; Coupling Wrap flex/Atra flex; Coupling Gear; Coupling Jar; Coupling Magnetic; Coupling Torus; Pump Vacuum Nash; Pump - Vertical - Multistage; Tank ; Conveyor Screw; Valve solenoid; Air Breather - Des Case; Flinger; Gear Reducer; Conveyor Belt; Conveyor Drag; Fan Axial; Agitator/Mixer; Compressor Rotary Screw - Quincy; Dryer System - Air desiccant; Steam Joint – Valmet

34.2 CONDITION MONITORING STANDARDS VOLUME II **2001** **130pp** **$295**

CMS: Motion Detector; Backstop; Pump, Centrifugal; Heat Exchanger; Bearing, Pillow Block; Chain Drive; Hydraulic Unit; Feeder; Mech. Seal; Packing; Check Valves; Screen Reciprocating; V Belt Drive; Screen – Vibrating; Screen - Disc; Screen - Centrifugal; Lubrication Reservoir; Fan Radial; Pump Vane; Pump Gear; Pump Piston; Steam Trap Mechanical; Steam Trap Thermostatic; Steam Trap Thermo; Valve with Actuator.

34.3 CONDITION MONITORING STANDARDS VOLUME III **2003** **115pp** **$295**

CMS: Universal Joint; Rope Sheaves; Regulator - Air; Pump - Progressive Cavity; Blower - Rotary Lobe; Belt - Cog; Brake Disc; Bolts and Nuts; Cylinder - Air; Pump - Diaphragm; Motor DC; Valve; Clutch Centrifugal; Expansion Joint; Coupling - Fluid; Cylinder Hydraulic; Bearing - Oil Cooled; Hydraulic Motors; Pump - Multistage; Governor; Pneumatic Filter; Piping and Pipe Hangers; Steam Turbine [Small].

34.4 CONDITION MONITORING STANDARDS VOLUME IV **2009** **115pp** **$295**

CMS: – Pump, Double Suction Centrifugal – Pulp Refiner, Conical-disc – Pulp Refiner, Classic Conical – Pulp Refiner, Single Disc – Pulp Refiner, Beloit Double Disc – Debarker, Drum – Proximity Switch, Capacitive – Proximity Switch, Acoustic – Proximity Switch, Inductive – Coupling, Safeset – Coupling, ELCO – Gauge, Magnetic Flow – Pump, Peristaltic – Pump, Diaphragm Metering – Pump, Vertical Sump – Conveyor, Small Production – Index Drive, Rotary – Accumulator, Hydraulic – Accumulator, Compressed Air – Motor Starter – Limit Switch, Linear – Limit Switch, Rotary – Strander, Disc (On-the-run) – Strander, Disc (Shutdown) – Lubrication, Single Point Units

MAINTENANCE BOOKS – ORDER FORM

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17.	IMPROVING MAINTENANCE & RELIABILITY THROUGH CULTURAL CHANGE		$125
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