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Preventive Maintenance, Third Edition

Jr., J.D. Patton

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Jr., J.D. Patton : Preventive Maintenance, Third Edition before purchasing it in order to gage whether or not it would be worth my time, and all praised Preventive Maintenance, Third Edition:

0 of 0 people found the following review helpful. A Good Reference to Preventive MaintenanceBy David De SousaThis book shows how the investment in a preventive maintenance program repays a company in longer equipment life, smoother operation, planning, and scheduling.It includes enhanced techniques and insights along with new chapters dealing with computerized PM systems. Preventive maintenance means all actions intended to keep durable equipment in good operating equipment and avoid failures. New technology has improved equipment quality, reliability and dependability by fault-tolerance, redundant components, self-adjustments, and replacement of hydraulic and mechanical components by more reliable electronic and optical operations. However, many components can still

wear out, corrode, become punctured, vibrate excessively, become overheated by friction or dirt, or even be damaged by humans. Fortunately, modern sensors and computers for condition monitoring and on-condition need-detection enable many equipments to "call home" to report they need PM before they fail. The preventive maintenance advantage is that you will pay less now to do planned work when production is not pushing versus very expensive emergency repairs that may be required under disruptive conditions and cause production to halt and lose revenue. Good PM saves money over a product's life cycle. The book addresses major types of maintenance; advantages and disadvantages of PM; designing a PM program; economics of PM; nondestructive testing; scheduling; metrics; data issues; and much more. The book is organized in the following way:- Major Types of Maintenance.- Advantages and Disadvantages.- Designing a PM Program.- Economics of PM.- Nondestructive Inspection.- On-Condition Maintenance.- Condition Monitoring Prediction.- Scheduled Preventive Maintenance.- Lubrication.- Calibration.- Data and Information.- Planning and Estimating.- Shutdown Planning.- Scheduling.- Computerized PM Systems.- PM Metrics.- Motivation.- Implementing a New PM Program.- Special Concerns.

5 of 7 people found the following review helpful. Good treatment of preventive maintenance management concepts

By A Customer This makes a good text for introducing broad maintenance management concepts to students who have never been exposed to formal instruction in the topic. Understandable, without being trivial

This third edition of a best-selling classic shows how the investment in a preventive maintenance program repays a company in longer equipment life, smoother operation, planning, and scheduling. It includes information on computerized PM systems, enhanced techniques, and insights into preventive maintenance. The latest technology has improved equipment quality, reliability and dependability by fault-tolerance, redundant components, self-adjustments, and replacement of hydraulic and mechanical components by more reliable electronic and optical operations. Many components, however, still wear out, corrode, become punctured, vibrate excessively, become overheated by friction or dirt, or can even be damaged by humans. Fortunately, modern sensors and computers for condition monitoring and detection enable equipment to "call home" to report they need PM before they fail. The preventive maintenance advantage is that you will pay less now to do planned work when production is not pushing versus very expensive emergency repairs that may be required under disruptive conditions causing production to halt and loss of revenue. Good PM saves money over a product's life cycle. The book addresses major types of maintenance; advantages and disadvantages of PM; designing a PM program; economics of PM; nondestructive testing; scheduling; metrics; data issues; and much more. - See more at: <https://www.isa.org/store/products/product-detail/?productId=116165#sthash.KmAbLW8z.dpuf>

From the Inside Flap This new enlarged and updated edition of a best-selling classic shows how the investment in a preventive maintenance program repays a company in longer equipment life, smoother operation, planning, and scheduling. It includes enhanced techniques and insights along with new chapters dealing with computerized PM systems. Preventive maintenance means all actions intended to keep durable equipment in good operating equipment and avoid failures. New technology has improved equipment quality, reliability and dependability by fault-tolerance, redundant components, self-adjustments, and replacement of hydraulic and mechanical components by more reliable electronic and optical operations. However, many components can still wear out, corrode, become punctured, vibrate excessively, become overheated by friction or dirt, or even be damaged by humans. Fortunately, modern sensors and computers for condition monitoring and on-condition need-detection enable many equipments to "call home" to report they need PM before they fail. The preventive maintenance advantage is that you will pay less now to do planned work when production is not pushing versus very expensive emergency repairs that may be required under disruptive conditions and cause production to halt and lose revenue. Good PM saves money over a product's life cycle. The book addresses major types of maintenance; advantages and disadvantages of PM; designing a PM program; economics of PM; nondestructive testing; scheduling; metrics; data issues; and much more.

About the Author Joe Patton is regarded as the premier practitioner and writer on equipment maintenance, logistics and support systems. Other books include: Maintainability Maintenance Management, Service Parts Handbook, and After the Sale: How to Manage Service for Customer Satisfaction and Profit.