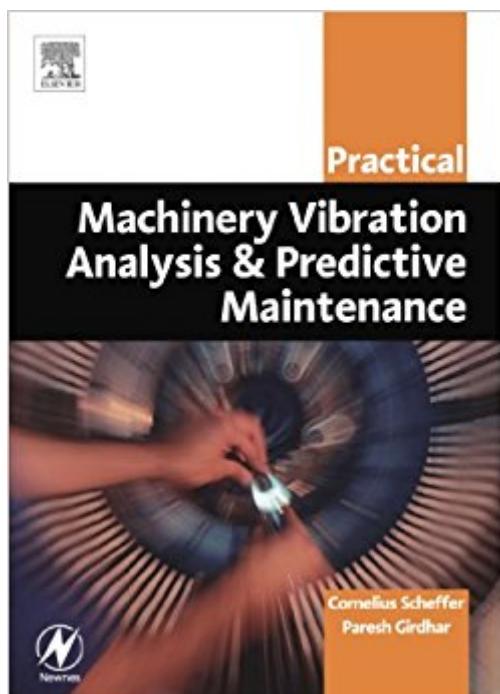


The book was found

Practical Machinery Vibration Analysis And Predictive Maintenance (Practical Professional Books From Elsevier)



Synopsis

Machinery Vibration Analysis and Predictive Maintenance provides a detailed examination of the detection, location and diagnosis of faults in rotating and reciprocating machinery using vibration analysis. The basics and underlying physics of vibration signals are first examined. The acquisition and processing of signals is then reviewed followed by a discussion of machinery fault diagnosis using vibration analysis. Hereafter the important issue of rectifying faults that have been identified using vibration analysis is covered. The book also covers the other techniques of predictive maintenance such as oil and particle analysis, ultrasound and infrared thermography. The latest approaches and equipment used together with the latest techniques in vibration analysis emerging from current research are also highlighted. Understand the basics of vibration measurement Apply vibration analysis for different machinery faults Diagnose machinery-related problems with vibration analysis techniques

Book Information

Series: Practical Professional Books from Elsevier

Paperback: 272 pages

Publisher: Newnes; 1 edition (September 23, 2004)

Language: English

ISBN-10: 0750662751

ISBN-13: 978-0750662758

Product Dimensions: 7.5 x 0.6 x 10.5 inches

Shipping Weight: 1.4 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars 2 customer reviews

Best Sellers Rank: #403,805 in Books (See Top 100 in Books) #50 in Books > Business & Money > Processes & Infrastructure > Facility Management #234 in Books > Engineering & Transportation > Engineering > Mechanical > Machinery #321 in Books > Science & Math > Physics > Dynamics

Customer Reviews

Develop and apply a predictive maintenance regime for machinery based on the latest vibration analysis and fault rectification techniques.

Machinery Vibration Analysis and Predictive Maintenance provides a detailed examination of the detection, location and diagnosis of faults in rotating and reciprocating machinery using vibration

analysis. The basics and underlying physics of vibration signals are first examined. The acquisition and processing of signals is then reviewed followed by a discussion of machinery fault diagnosis using vibration analysis. Hereafter the important issue of rectifying faults that have been identified using vibration analysis is covered. The book also covers the other techniques of predictive maintenance such as oil and particle analysis, ultrasound and infrared thermography. The latest approaches and equipment used together with the latest techniques in vibration analysis emerging from current research are also highlighted.

very informative material for the maintenance professional

I bought this book few years ago when I started teaching in the university. It is very useful book, and provide all information you need to know as a Predictive Maintenance Engineer or as a Maintenance Planner. The book focus mainly on Vibration and provide a very good guide on both Oil Analysis & Wear Analysis approaches. I can say it provide information up to Level 3 for Vibration include how to detect unbalance, misalignment, belt problems, bearing problems, shaft bent issues, and gearbox problems. I found this book a very good one for making my presentations and preparing some lectures in the university. Thanks to the Author and to the Publisher. Great Work!

[Download to continue reading...](#)

Practical Machinery Vibration Analysis and Predictive Maintenance (Practical Professional Books from Elsevier) ISO 2631-2:2003, Mechanical vibration and shock - Evaluation of human exposure to whole-body vibration - Part 2: Vibration in buildings (1 Hz to 80 Hz) ISO 13753:1998, Mechanical vibration and shock - Hand-arm vibration - Method for measuring the vibration transmissibility of resilient materials when loaded by the hand-arm system Vehicle Maintenance Log: Vehicle Maintenance Log Template: Car Maintenance → → Reminder | Log Book | Mileage Log | Repairs And Maintenance | Everything ... | 5.5 x 8.5 → → small & compact (Volume 1) Analytics: Business Intelligence, Algorithms and Statistical Analysis (Predictive Analytics, Data Visualization, Data Analytics, Business Analytics, Decision Analysis, Big Data, Statistical Analysis) Analytics: Data Science, Data Analysis and Predictive Analytics for Business (Algorithms, Business Intelligence, Statistical Analysis, Decision Analysis, Business Analytics, Data Mining, Big Data) Car Maintenance Record Book: Car Maintenance - Repair Log Book Journal. Log Date, Mileage, Repairs And Maintenance. Notebook With 100 Pages. (Auto Books) Spatial Control of Vibration: Theory and Experiments (Stability, Vibration and Control of Systems, Series A) Complete Guide to Preventive and Predictive Maintenance Marine Vessel Safety Check & Maintenance Log (Logbook, Journal -

124 pages 6x9 i: Marine Vessel Safety Check & Maintenance Logbook (Blue Cover, Medium) (Logbook/Record Books) Analytics: Data Science, Data Analysis and Predictive Analytics for Business Data Analytics: What Every Business Must Know About Big Data And Data Science (Data Analytics for Business, Predictive Analysis, Big Data Book 1) Survey of Big Data Analysis Using Predictive Analytics Algorithms and Its Use ISO 13091-2:2003, Mechanical vibration -- Vibrotactile perception thresholds for the assessment of nerve dysfunction -- Part 2: Analysis and interpretation of measurements at the fingertips Practical Predictive Analytics and Decisioning Systems for Medicine: Informatics Accuracy and Cost-Effectiveness for Healthcare Administration and Delivery Including Medical Research Zinn & the Art of Road Bike Maintenance: The World's Best-Selling Bicycle Repair and Maintenance Guide →“Venomous”; Bites from Non-Venomous Snakes: A Critical Analysis of Risk and Management of →“Colubrid”; Snake Bites (Elsevier Insights) Aquatic Gardens Ponds, Streams, Waterfalls & Fountains: Volume 2. Maintenance, Maintenance, Livestock, & Example Systems (Aquatic Gardens: Streams, Waterfalls & Fountains) The Bicycling Guide to Complete Bicycle Maintenance & Repair: A For Road & Mountain Bikes (Bicycling Guide to Complete Bicycle Maintenance & Repair for Road & Mountain Bikes) Aviation Maintenance Technician: Powerplant (Aviation Maintenance Technician series)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)