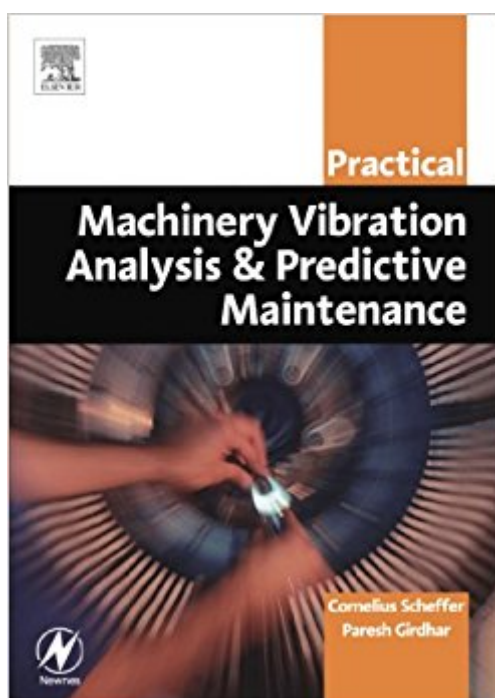


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# Practical Machinery Vibration Analysis And Predictive Maintenance (Practical Professional Books From Elsevier)



## 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

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

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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!

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