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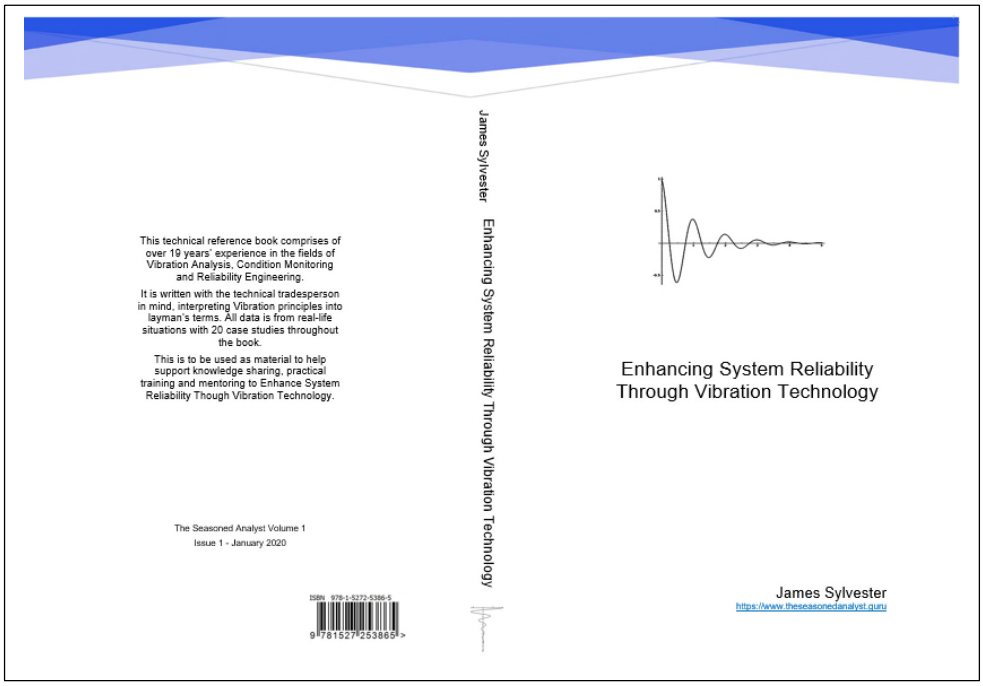
Enhancing System Reliability Through Vibration Technology

ISBN: 978-1-5272-5386-5

"When I started my career in Engineering and Maintenance, I was frustrated by the lack of clear mentoring available to help me develop and hone my skills. Therefore, I have ventured into supporting others like myself who would benefit from a little guidance."

"This technical reference book comprises of many years' experience in the fields of Vibration Analysis, Condition Monitoring and Reliability Engineering"



This is written with the manager and hands on tradesperson in mind, interpreting Reliability and Vibration principles into layman's terms. So, we can all understand the benefits of increased Reliability and the aspects of Condition Monitoring.

The data is from real-life situations with case studies throughout the book.

"This training material gives the reader the opportunity to grow by drawing experience from a Seasoned Analyst"

This is to be used as material to help support knowledge sharing, practical training and mentoring to Enhance System Reliability Through Vibration Technology. It goes into simplified and technical description with clear documentation and graphics.

Image 1.

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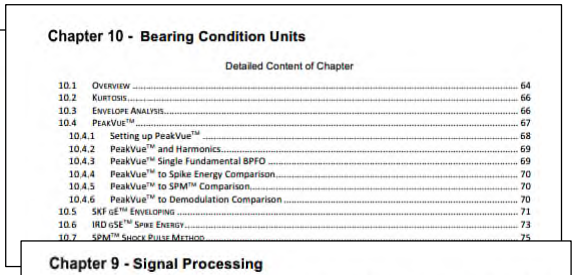
"The book content is written with a unique flow to assist the experienced Engineer or the reader newly exposed to Condition Monitoring and Reliability, Driving support to promote best practice"

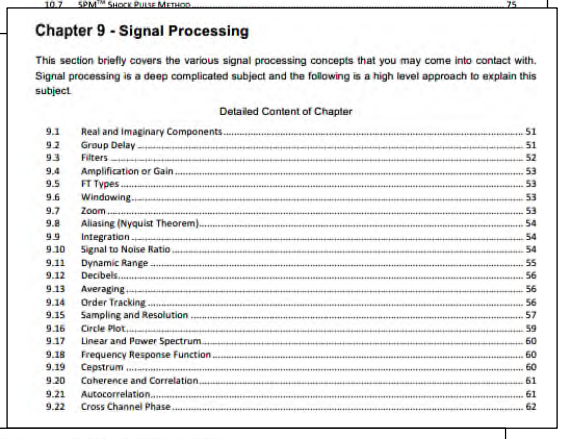
The manual covers an introduction to Condition Monitoring and how it is a key tool in an effective Reliability Improvement Program. It covers Mechanics of Failure, Failure modes and an introduction to all the Condition Monitoring Technologies. Then the focus is on Vibration Analysis and its practical application to increase system uptime. This is all explained practically with clear data and images of failures to develop knowledge to a Seasoned Analyst level.

Content:



Chapter 10 - Bearing Condition Units

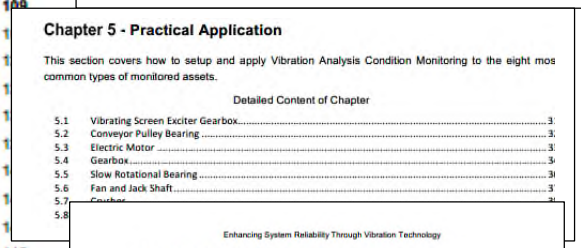
Detailed Content of Chapter



Chapter 9 - Signal Processing

This section briefly covers the various signal processing concepts that you may come into contact with. Signal processing is a deep complicated subject and the following is a high level approach to explain this subject.

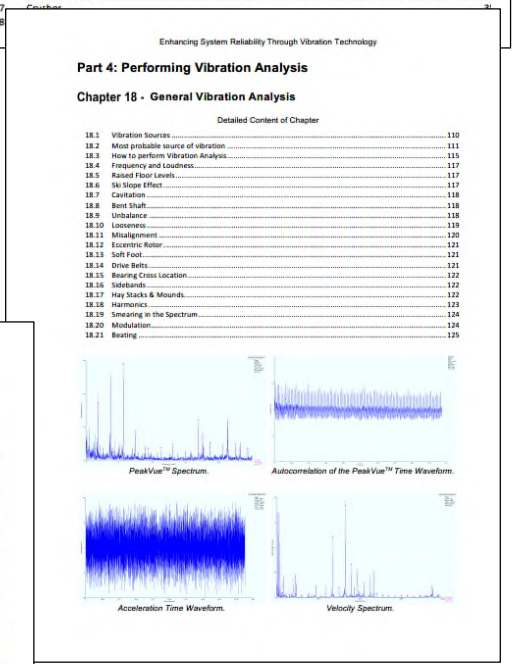
Detailed Content of Chapter



Chapter 5 - Practical Application

This section covers how to setup and apply Vibration Analysis Condition Monitoring to the eight mos common types of monitored assets.

Detailed Content of Chapter



Part 4: Performing Vibration Analysis

Chapter 18 - General Vibration Analysis

Detailed Content of Chapter

PeakVue™ Spectrum.

Autocorrelation of the PeakVue™ Time Waveform.

Acceleration Time Waveform.

Velocity Spectrum.

Chapter 33 - Case Studies

Detailed Content of Chapter

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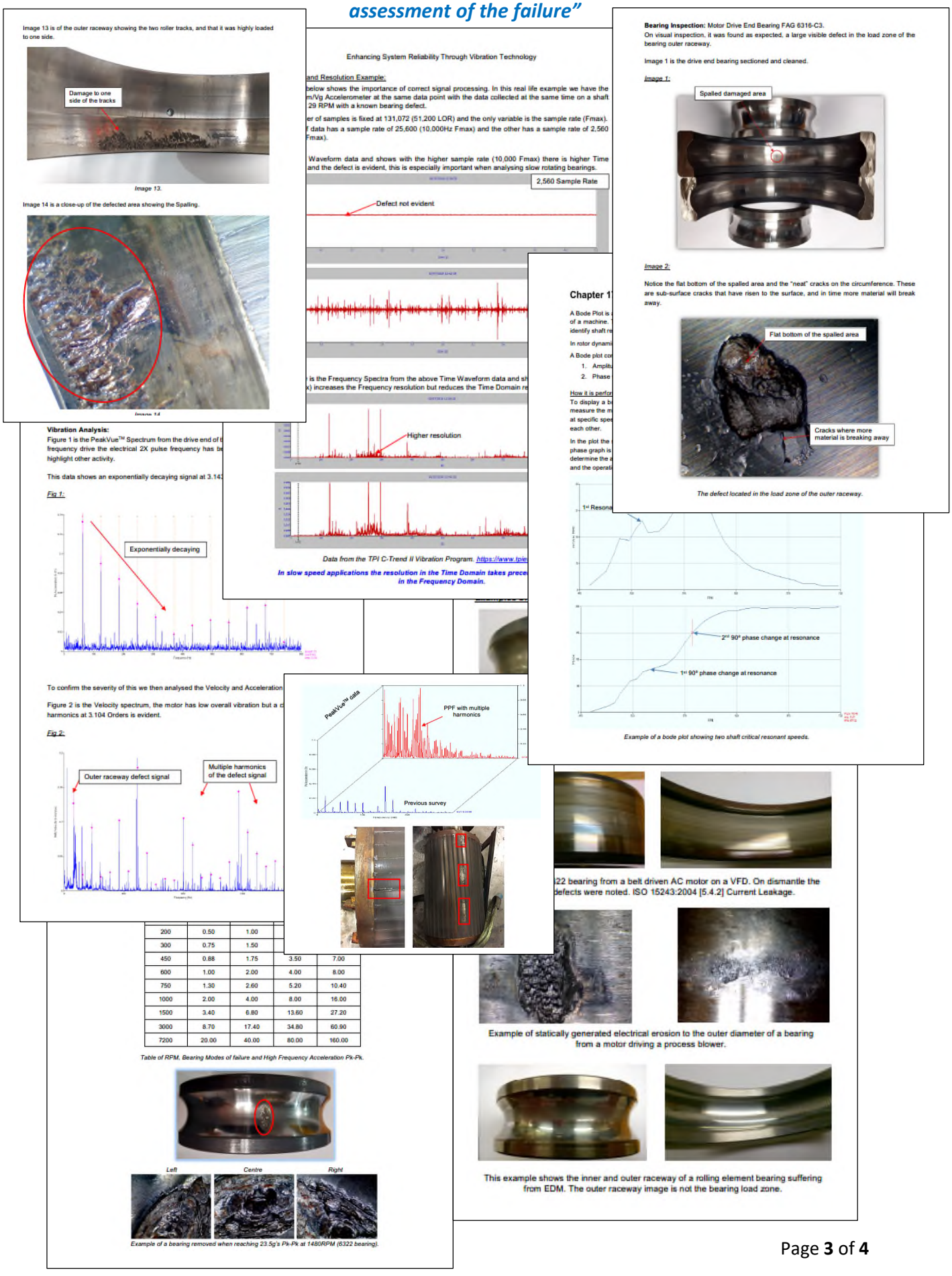
"The examples below taken from the manual show the clarity of images to provide a clear assessment of the failure"



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"As Seasoned Analysts we can then support the growth and development of the maintenance team, with training that suites your environment and requirements"

In addition to training and mentoring I am also able to support you and your team to ensure that the business is realising the potential of the Reliability and Condition Monitoring programs.

To do this I can offer further support with, Condition Monitoring Techniques as well as a program review. Ensuring that you are using the best techniques to detect the correct the failure modes that may occur in your system. I welcome an opportunity to assist my readers and develop suitable Condition Monitoring systems that meet your unique demands.

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To purchase this 300+ page A4 Paperback Colour Technical Reference / Training Manual email your enquiry to
training@theseasonedanalyst.guru

The costs for this book is RRP £75 plus postage.