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Titolo	Proactive Condition Monitoring of Low-Speed Machines // by Zhaklina Stamboliska, Eugeniusz Rusiski, Przemyslaw Moczko
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ISBN	3-319-10494-2
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (193 p.)
Disciplina	620 620.0042 621.8 629
Soggetti	Machinery Engines Quality control Reliability Industrial safety Engineering design Machinery and Machine Elements Engine Technology Quality Control, Reliability, Safety and Risk Engineering Design
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Review Of Condition In Today's Industry -- Maintenance Management and Applied Strategies -- Maintenance Considerations of Low-Speed Machines -- Condition Monitoring Techniques for Low-Speed Machines -- Proactive Condition Monitoring of Low-Speed Machines -- Application of FEM in Proactive Condition Monitoring -- Case Studies of Proactive Condition Monitoring Applications.
Sommario/riassunto	This book broadens readers' understanding of proactive condition monitoring of low-speed machines in heavy industries. It focuses on

why low-speed machines are different than others and how maintenance of these machines should be implemented with particular attention. The authors explain the best available monitoring techniques for various equipment and the principle of how to get proactive information from each technique. They further put forward possible strategies for application of FEM for detection of faults and technical assessment of machinery. Implementation phases are described and industrial case studies of proactive condition monitoring are included. Proactive Condition Monitoring of Low-Speed Machines is an essential resource for engineers and technical managers across a range of industries as well as design engineers working in industrial product development. This book also:

- Explains the practice of proactive condition monitoring and illustrates implementation phases
- Presents detailed discussion of best techniques for proactive condition monitoring specifically for low-speed machines
- Demonstrates application of finite element modeling for successful proactive condition monitoring
- Broadens readers' contextual understanding with case studies related to applications of proactive condition monitoring in heavy industry.
