1. Record Nr. UNINA9910136757903321 Autore Sabol Stuart Titolo Case studies in mechanical engineering: decision making, thermodynamics, fluid mechanics and heat transfer / / Stuart Sabol Pubbl/distr/stampa West Sussex, Chichester:,: Wiley,, [2016] ©2016 **ISBN** 9781119119753 (electronic book) 1-5231-1486-X 1-119-11979-0 1-119-11975-8 1-119-11976-6 Descrizione fisica 1 online resource (xvii, 238 pages) Disciplina 621 Soggetti Mechanical engineering Mechanics, Applied **Dynamics** 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 Title Page: Table of Contents; Foreword; Preface; Introduction; Case 1: Steam Turbine Performance Degradation; 1.1 Steam Turbine Types; 1.2 Refresher: 1.3 Case Study Details: 1.4 Case Study Findings: 1.5 Decision Making and Actions; 1.6 Closure; 1.7 Symbols and Abbreviations; 1.8 Answer Key; References; Case 2: Risk/Reward Evaluation; 2.1 Case Study; 2.2 Background; 2.3 Gas Turbine Operating Risks; 2.4 Case Study Evaluations; 2.5 Case Study Results; 2.6 Closure; 2.7 Answer Key; Reference; Case 3: Gas Turbine Compressor Fouling; 3.1 Background; 3.2 Case Study Details ReferenceCase 7: Efficiency and Air Emissions; 7.1 Background; 7.2 Case Study Details; 7.3 Refresher; 7.4 Objective; 7.5 Exercises; 7.6 Closure; 7.7 Symbols and Abbreviations; 7.8 Answer Key; References; Case 8: Low-Carbon Power Production1; 8.1 Background; 8.2

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