

| | |
|-------------------------|---|
| 1. Record Nr. | UNINA9910791433303321 |
| Titolo | Failure analysis of heat treated steel components [[electronic resource] /] / editors, L.C.F. Canale, R.A. Mesquita, G.E. Totten |
| Pubbl/distr/stampa | Materials Park, OH, : ASM International, 2008 |
| ISBN | 1-61503-098-0 |
| Descrizione fisica | 1 online resource (ix, 650 p.) : ill |
| Altri autori (Persone) | CanaleLauralice de Campos Franceschini MesquitaR. A (Rafael Agnelli) TottenGeorge E |
| Disciplina | 672.36 |
| Soggetti | Steel - Fracture Steel - Heat treatment |
| 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 and index. |
| Nota di contenuto | ""Contents""; ""Preface""; ""Component Design""; ""Overview of the Mechanisms of Failure in Heat Treated Steel Components""; ""Mechanisms and Causes of Failures in Heat Treated Steel Parts""; ""General Aspects of Failure Analysis""; ""Failure in Steel Forging""; ""Failures from the Casting Process""; ""Sources of Failures in Carburized and Carbonitrided Components""; ""Fatigue Fracture of Nitrided Layers""; ""Steel Heat Treatment Failures due to Quenching""; ""Steel Failures due to Tempering and Isothermal Heat Treatment""; ""Failure Analysis in Tool Steels"" ""Case Studies of Steel Component Failures in Aerospace Applications""""Failure Analysis of Powder Metal Steel Components""; ""Induction Hardening""; ""Failure Analysis of Steel Welds""; ""Metric Conversion Guide""; ""Temperature Conversion Table""; ""Steel Hardness Conversions""; ""Austenitizing Temperatures for Steels""; ""Temper Colors for Steels""; ""Physical Properties of Carbon and Low- Alloy Steels""; ""AISI to Non-AISI Steel Cross Reference""; ""Non-AISI to AISI Steel Cross Reference""; ""Iron-Carbon Equilibrium Diagram""; ""Isothermal Diagrams of Selected Steels"" ""Continuous Cooling Diagrams of Selected Steels""""Index"" |

