1. Record Nr. UNINA9910791433403321 Failure analysis of engineering structures : : methodology and case **Titolo** histories [[electronic resource] /] / V. Ramachandran ... [et al.]; with contributions from T.A. Bhaskaran ... [et al.] Materials Park, OH,: ASM International, 2005 Pubbl/distr/stampa **ISBN** 1-61503-105-7 Descrizione fisica 1 online resource (213 p.) Altri autori (Persone) RamachandranV 624.1/71 Disciplina Soggetti Structural failures Structural analysis (Engineering) 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 (p. 199) and index. ""Contents""; ""Foreword""; ""Preface""; ""Failure Analysis: Why and for Nota di contenuto Whom?""; ""Common Causes of Failures""; ""Failure Analysis Methodology""; ""Examination Methods""; ""Advanced Techniques of Failure Analysis""; ""Explosive Sabotage""; ""Forensic Failure Analysis""; ""Failure Analysis and After""; ""Failure of a Throttle End Fitting in an Aircraft"": ""Failure of a Low-Pressure Turbine Rotor (LPTR) Blade""; ""Failure of Bolts in a Radar Antenna System Reflector Joint""; ""Failure of a Main Wheel Bearing Housing Flange in an Aircraft""; ""Failure of an Aircraft Engine Fuel Pump"" ""Failure of an Adaptor Assembly in an Electronic Pod in an Aircraft""" Failure of a Stabilizer Link Rod in an Aircraft"": ""Failure of a Tie-Rod in an Aircraft Towing Tractor""; ""Failure of a Tail Rotor Blade in a Helicopter""; ""Failure of a Wheel Hub in an Aircraft""; ""Failure of a Turbine Blade in an Aircraft Engine""; ""Failure of an Aileron Control Cable in an Aircraft""; ""Failure of a Fuel Pump in an Aircraft""; ""Failure of Center Support Bearings in an Aircraft Engine""; ""Failure of a Torque Sensor Bearing in an Aircraft Engine"" "Failure of a Universal Joint in an Undercarriage in an Aircraft"""Failure of Dowel Bolts in an Aircraft Engine""; ""Failure of a Tail Rotor Blade in a Helicopter""; ""Failure of the Body Structure in a Helicopter at the Mixing Unit Attachment""; ""Failure of Elevator Hinge Pins in an

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""Failure of a Fourth-Stage Compressor Disc in an Aircraft Engine""