1. Record Nr. UNINA9910458840403321 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) Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali 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

Aircraft""; ""Failure of Aircraft Engine Compressor Rotors""; ""Failure of a First-Stage Compressor Blade in an Aircraft Engine""; ""Failure of Main Undercarriage Struts in an Aircraft""; ""Failure of a Quill Shaft""; ""Failure of a Cardon Shaft""; ""Failure of a Fuel Nozzle in an Aircraft Engine"" ""Failure of a First-Stage Compressor Blade in an Aircraft Engine"" "Failure of Shutter Bolts in a Reaction Control Valve in an Aircraft Engine""; ""Failure of a Second-Stage Compressor Blade in an Aircraft Engine""; ""Failure of a Second-Stage Turbine Blade in an Aircraft Engine""; ""Failure of a High-Pressure Turbine Blade in an Aircraft Engine"; ""Failure of a Compressor Blade in an Aircraft Engine"; ""Failure of a Low-Pressure Turbine Rotor (LPTR) Blade""; ""Cracking in the Wing Root Fitting in an Aircraft"; ""Failure of Quill Shafts in the Accessory Gear Box in an Aircraft Engine""

""Failure of a Compressor Blade in an Aircraft Engine"""Failure of an Aileron Control Cable in an Aircraft""; ""Cracking of the Skin in the Main Rotor Blade in a Helicopter""; ""Cracking in a Tail Rotor Blade in a Helicopter""; ""Failure of a Wing Control Cable in an Aircraft""; ""Failure of the Nose Bullet in an Aircraft Engine""; ""Failure of Tail Boom Attachments in a Helicopter""; ""Cracking of Filter Components in an Aircraft""; ""Failure of an LP Turbine Disc in an Aircraft Engine""; ""Failure of a Cooling Fin in an Aircraft Engine""

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