



## All Forms of Metallic Components

Electrical  
Aerospace  
Mining Equipment  
Bearing Elements  
Military Equipment  
Automotive

# Failure Analysis

## Tools for Failure Analysis

SEM/EDS  
Metallography  
Optical Microscopes  
Trained and Talented Eyes

## Preserve the Evidence

DO NOT Clean Corroded Components  
Keep Mechanical Failures Dry

*Anderson Laboratories, Inc.* has been providing failure analysis service for the past 40 years. We identify your problems and we supply solutions. Failure analysis determines the root cause for the malfunction of a component or assembly, which vary, and can include abuse, corrosion, and poor design.

Initially we obtain background information, such as the operating history, design history and manufacturing history, plus information on the operating environment, and the expected mechanical loading. Then we examine the physical evidence. In a mechanical failure, the evidence includes the fracture surfaces and the condition of the material. In a corrosion failure, the evidence includes the location of the corrosion, the type of corrosion and the chemical composition of the corrosion products. Properly performed failure analysis is a powerful tool in addressing manufacturing and application issues.

For more information about your failure analysis please contact us at our laboratory in Greendale, Wisconsin.

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