

# FAILURE ANALYSIS

## CAUSE OF FAILURE — CORRECTIVE ACTION

### TECHNIQUES AVAILABLE

- Scanning Electron Microscope w/EDS
- Chemical Analysis
- Microscopy/Metallography
- Mechanical Testing
- Nondestructive Testing
- Fractography

### PERSONNEL

- Metallurgical & Materials Engineers
- Professional Registration
- Certified NDT Technicians
- Chemists

### EXAMPLES

- Pressure Vessels
- Boilers
- Heat Exchangers
- Pipes, Valves, Pumps
- Fasteners
- Structural Steel
- Reinforced Concrete
- Lifting Equipment
- Tools
- Beverage Containers
- Medical Devices



### MATERIALS

- Metals
- Composites
- Plastics
- Concrete
- Ceramics
- Coatings
- Elastomers
- Glass



**Briem Engineering**

MATERIAL TESTING & ENGINEERING

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