

Testing is an integral part of conducting a failure analysis.

Laboratory Testing

Through laboratory testing we can determine a component's tensile strength, hardness, toughness, and chemical properties. Scanning electron microscopy (SEM) is used to observe fractures at high magnifications to determine their fracture mode. Energy dispersive spectroscopy (EDS) is used to investigate the composition of corrosion products and deposits.

Corrosion studies can be performed to verify an alloys' corrosion resistance to a specific environment or to confirm proper manufacture. Through in-house resources and affiliations with associates we can meet most testing project needs.

Capabilities

- Coatings
- Salt Fog Testing
- Chemical Analysis
- Tensile Testing
- SEM/EDS Analysis
- Metallography
- Wear Testing
- Material Verification
- Hardness Testing
- Corrosion Testing
- Heat Treatment
- Grain Size Dermination
- Drop Weight Tear Testing
- Charpy/Izod Toughness Test
- Weld Procedure Qualifications



THE HENDRIX GROUP

8450 Rayson • Houston, Texas 77080
www.hghouston.com
Phone: (281) 556-8774 • Fax: (713) 895-8906
info@hghouston.com