



## FAILURE ANALYSIS

### What We Do

The Failure Analysis Team at QAI has successfully completed over 2,000 failure investigation assignments, including hundreds related to manufacturing or metallurgical issues. We utilize scanning electron microscopy and image analysis with various microscopes, hardness testers, spectrometers, microhardness, sample prep equipment and mechanical testing. Our state-of-the-art facility features metallurgical, chemical, polymer, mechanical, microscopy, dimensional, and non-destructive testing capabilities all under one roof. Nothing is outsourced! As a result, QAI is able to control all aspects of any failure analysis and root cause investigation. Our failure analysis assignments include major projects related to:

- Aerospace Components
- Off Highway Components
- Switches and Sensors
- Turbine Engine Components
- Oil and Gas Transmissions
- Pipelines and Components
- Food Processing Equipment
- Contamination Investigations
- Military Components
- Wind Mill Components
- Heat Exchangers
- Fasteners
- Medical Supplies & Equipment
- Auto/Racing Components

For more information about QAI services, please contact us via [info@qai.org](mailto:info@qai.org)

### About QAI

With over 30 years of experience, QAI is an ISO/IEC 17025 accredited independent third-party testing laboratory. Our state-of-the-art equipment and expert team serve companies of all sizes with material testing. As part of the QAI Laboratories Group, a globally recognized leader in testing, inspection, and certification, we provide services across various industries, including manufacturing, building products, electrical safety, EMC/EMI, and vehicle compliance, with locations in North America and Asia.

