



Prosthetic Failure

CTL ENGINEERING HAS EXPERIENCED MECHANICAL AND METALLURGICAL ENGINEERS, METALLOGRAPHERS, CHEMISTS, AND ENGINEERING TECHNICIANS TO ASSIST YOU IN TROUBLE SHOOTING PROBLEMS.

Our problem-solving approach combines technical consulting abilities and laboratory testing. If needed, we can recommend corrective action plans, including material application recommendations, design changes, or improvements to your instructions, warnings, labels and specification requirements.

Our laboratories can provide complete analyses on most types of materials. We perform a wide variety of tension, compression, exposure, flexing, impact and pressure tests to government, industry, military and federal specifications.

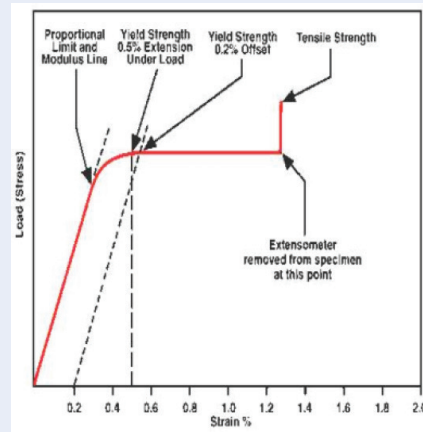
Through our extensive involvement with a wide variety of clients and products, we have a depth of knowledge to bring to the table to solve your problems. Consultation services are available to assist with failure analysis needs, product design, manufacturing methods and quality control.

QUALITY ASSURANCE AND INSPECTION SERVICES:

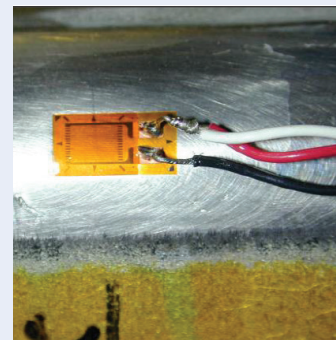
- Design Review
- Coating Thickness
- Endurance Testing
- On-Site Inspection
- Equipment Calibration
- Specification Verification
- Vehicle Failure Evaluations
- Pressure Gauge Calibration
- Code/Standard Compliance
- Scanning Electron Microscopy
- Identification of Potential Hazards

COMMON TESTS:

- Hardness
- Metallography
- Stress Analysis
- Tensile Strength
- Strain Gage Testing
- Coating Evaluations
- Corrosion Resistance
- Load Bearing Capacity
- Dimensional Verification
- XRF Positive Material Identification



Tensile Testing



Strain Gauge Testing