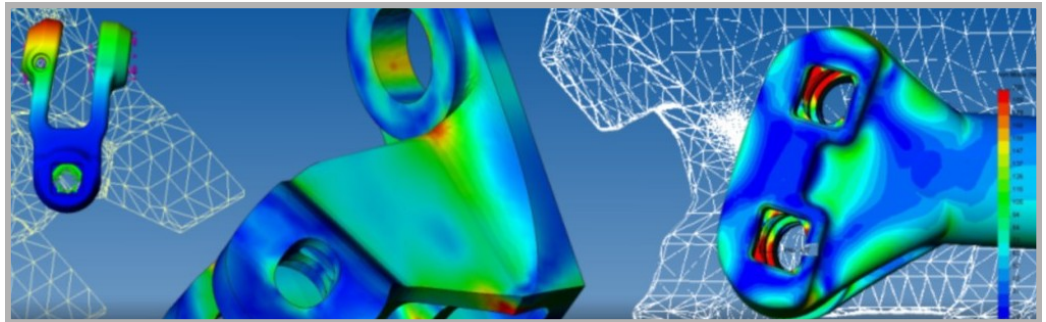


2012



Root Cause Failure Investigation



Failure
Analysis

LC Engineering offers investigation services to review and analyse field failures of products, mechanisms and structures .

Determining the root causes of component failure is often a complex task. Utilising the latest computer aided engineering technology, experience and know-how allows us to pinpoint the critical contributing factors.

Mechanical failures can result from one or more stress raisers that may lead to fatigue cracking or failure damage due to shear, bending and torsion; ultimately such damage results in component failure and potentially catastrophic failure of mechanisms and structures.

Previous investigations have determined the root cause of failures in:

- **Dragline and Excavator Buckets**
- **Dragline Rigging Components**
- **Propel Mechanisms**
- **Vibrating Screens**
- **Static Structures**

LC has a proven track record in forensic determination of failures and provides design changes and remedial recommendations through site presentations and professional reports. LC can also provide reports for use in legal determinations as well as engineering certification to Australian and International standards.



For more information
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