In the lab or in the courtroom, our experts stand behind their data with confidence

RJ Lee Group maintains a visible and respected reputation for supporting the legal community in matters of civil litigation. For over 25 years, we have assisted more than 500 law firms in resolving more than 3,000 matters related to product liability, toxic tort, construction defect, nuisance dust, personal injury, and patent infringement cases. We know high stakes litigation and have successfully defended the accuracy, applicability, and admissibility of our data in jurisdictions across the U.S.

Broad spectrum of subject matter expertise

From recalled children’s toys to jet engine failures, we are materials experts poised to deliver scientific resolution across a broad spectrum of industries.

Aviation
Engine failures, turbine blade defects, landing gear, air systems

Building Materials
Defective drywall, asbestos, concrete, windows, paint & coatings

Consumer Products
Electronics, appliances, cosmetics, automobiles, children’s products

Environmental & Toxic Torts
Exposure simulations, impact assessments, air quality, nanomaterials

Industrial Equipment
Crane failures, heavy equipment, power tools, transformers, storage tanks

Supply Chain Quality
Pharma contamination, counterfeit products, raw material quality

What to Expect When You Work With Us

- Full-service materials characterization capabilities
- Centuries of staff experience in diverse disciplines
- Responsive and able to meet aggressive deadlines
- Scalable project scopes and support
- Professional and clear communication

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Using a forensic approach, we examine all the necessary evidence to understand the true cause of failure and its point of origin.

Materials failure occurs across all industries, in all types of products and applications, and in some cases causes collateral damage. Determining the root cause of failure is often central to product liability issues as well as warranty and insurance claims, safety assessments, and design evaluations. We help our clients understand contributing factors and nuances of the case so that we can provide accurate and reliable insights to a reasonable degree of scientific certainty.

**Was a Supplier’s Component to Blame?**

When the manufacturer of a medical device implant saw an increase in the device’s failure rate after implant, they alleged that a component provided by their supplier was responsible. The component supplier retained RJ Lee Group to characterize the physical, chemical, and microstructural properties of the component – both as they supplied it to the manufacturer and again after the manufacturer applied a surface coating to it – to determine if specifications were met. Our experts performed microscopic analyses and then visited the supplier’s plant to review their processes. We reviewed documentation and data including specifications, inspection reports, and studies that were conducted before implanting the device.

**CONCLUSION**

We provided expert testimony that the increased failure rate of the device was not the result of the supplier’s processes.

**Did a Cracked Pipe Cause a Landslide?**

RJ Lee Group was retained to investigate the role of a failed municipal water pipe in a landslide that resulted in environmental concerns. The investigation determined that the failure was caused by externally induced mechanical stresses that initiated a transverse crack in a graphitized area of the cast iron portion of the pipe wall. The sudden loss of many tons of cover material caused an upward heave in the surrounding soil allowing the crack to propagate through the wall and fracture the concrete liner, giving rise to the leak.

**CONCLUSION**

The pipe failure was a victim of the landslide and not the cause.