

Rexnord Technical Services is currently looking for a Materials Engineer with strong Mechanical Engineering skills to perform material investigations, failure analyses, and design optimization on mechanical components.

The candidate must have a B.S. in Materials Science or Mechanical Engineering and a minimum of 3-5 years hands on experience working in a related mechanical component or power transmission field. A mechanical testing background is preferred. Strong written/verbal communication skills and proficient use of Microsoft and related software are required.

Lean manufacturing experience is preferred. An in depth knowledge of material property analysis and certification is required. The successful candidate will have demonstrated experience performing failure analyses coupled with the strong mechanical skills necessary to analyze service conditions and duty cycles. The ability to evaluate a customer request and use creative thinking to devise a feasible testing plan is also a critical requirement of this position.

The position requires a leadership role in developing and implementing action plans for the improvement of existing products and implementing breakthrough R&D projects. Some of the challenges of this position include:

- Perform materials characterization for the purpose of root cause failure resolution and product improvement.
- Ability to work with minimal supervision while using existing Standard Operation Procedures along with various specifications to conduct product testing and evaluations.
- Perform independent evaluation of test methods by understanding operating conditions, devising performance tests, setting up and conducting testing, recording data and analyzing results. Modification of components and original test methods is frequently required to achieve results.
- Project management including working on multiple projects and preparing detailed reports upon completion.
- Provide input to customer proposal development

Experience with the following equipment a plus: Optical and Scanning Electron Microscopes, Digital Photography, Hardness and Microhardness testers, Optical Emission Spectroscopy, Rotational Contact and Bending Fatigue testers

To apply for this job or view other job openings at Rexnord, please visit the www.rexnord.com website and click on the link to **Careers**.