

A Metallurgical and Materials Laboratory Engineering position at a global state of the art laboratory at Ford Motor Company providing investigation, support and analysis of automotive components, technology and processes.

Position Duties:

- Provide failure analysis and material evaluation of automotive components in support of product launches, durability concerns, and engineering.
- Prepare and evaluate ferrous and non-ferrous metallographic samples using ASTM and local procedures.
- Operate and maintain a variety of metallographic and physical testing equipment.

For example, metallographic sample preparation equipment, metallographs, microindentation hardness testers, scanning electron microscopes, Rockwell/ Brinell hardness testers, NDE equipment and tensile test machines.

- Analyze and characterize inorganic materials using x-ray fluorescence (XRF) and Optical Emission Spectroscopy (OES) techniques.
- Prepare electronic reports with results, photo documentation, and conclusions on a timely basis.
- Regularly communicate and review testing results with engineers and suppliers.

Minimum Requirements:

- BS degree in Metallurgy, Metallurgical Engineering or Material Science
- Minimum of 3-4 years of experience in materials or material testing with a strong emphasis in metallography, fractography and failure analysis.
- Demonstrated knowledge of common material/sub-system interactions.
- Demonstrated strong interpersonal and communication skills.
- Demonstrated strong Leadership Behaviors.
- Demonstrated computer skills including Word, Excel, and PowerPoint, as well as digital imaging, acquisition and processing.

Requisition ID: 12916BR

Job Title: Laboratory Engineer, Metallurgy & Mechanical Section

Location: Dearborn, Michigan

Interested qualified individuals must apply at www.careers.ford.com for posting 12916BR

Any questions please contact Allen Radke aradke@ford.com or Scott Wolfe swolfe2@ford.com