Engineer 3, Materials

Job Description:
Want to help shape tomorrow? At Bendix we’ve been doing it for nearly 90 years …setting the standard with advanced dynamic solutions that drive improved commercial vehicle performance and safety. We’re part of the Knorr-Bremse Group, the global leader in braking technologies. As part of our team, you’ll collaborate with a world of talented and dedicated colleagues whose sense of purpose complements your own. You’ll find rewarding opportunities, diverse experiences, partnerships, and an unwavering commitment to ethics and integrity. Innovation is part of our DNA. Achievement drives our culture. Learn more today! www.bendix.com/careers

Position Summary:
Interface with all Bendix CVS suppliers, customers, and plants in the following areas: failure analysis of non-metallics with root/cause identification, quality performance and expectations, manufacturability reviews of new products manufactured with non-metallic materials, interpretation of requirements per engineering drawings and specifications, corrective action feedback.

Essential Functions:
- Material identification and verification of non-metallics, organic coatings and synthetic polymers.
- Perform failure analysis of coatings, mechanical and electronic assemblies that are manufactured from non-metallics.
- Prepare material and process specifications.
- Evaluate materials by non-destructive, destructive, and mechanical property testing.
- Monitor materials research and propose new materials/processes for business use to improve product performance and or meet regulatory changes.
- Lead efforts to conform to IATF 16949 requirements and industry standards (ASTM, SAE, etc.).
- Provide supplier and manufacturing plant support.
- Investigate, evaluate, and report returned product from customers.

Required Skills:
Skills:
- A results driven individual who has demonstrated ability working in a high performance-environment.
- Ability to develop a thorough knowledge of customers’ material/process issues and make fact-based improvement recommendations.
- Dedication to resolving supplier, manufacturing and field issues with the focus on continuous improvement.
- Flexible, service oriented individual willing to work hard in a team environment.
- Must have good attention to details but be able to manage the big picture.
- Must be able to manage multiple, complex tasks and deal easily with pressure on a day in and day out basis.
- Must be able to motivate and drive continuous improvement; and has a passion for excellence.
- Critical thinker, with excellent analytical abilities and problem-solving skills.
- Good interpersonal, written and oral communication skills.
- Solid leadership skills including planning and administrative skills.
• Good organizational skills.
• High energy, demonstrates urgency and fast pace.

Experience:
• Materials engineer, or polymer engineer versed in the automotive components field.
• Excellent technical/analytical skills to perform metallography, failure analyses and maintain lab instrumentation.
• Knowledgeable in polymer selection, evaluation and analysis. Experience with corrosion resistant coatings, iron and aluminum castings fields a positive.
• Experience with optical and scanning electron microscopes, infrared spectroscopy, and thermogravimetric analysis desired.
• Strong customer and supplier interface experience.
• Automotive/truck industry experience a plus.

Knowledge:
• Excellent knowledge of polymer/materials engineering preferably versed in automotive components field.
• Knowledge in polymer selection, evaluation and analysis.
• Excellent technical/analytical skills to perform metallography, failure analyses and maintain lab instrumentation.
• Knowledge of OSHA machine guarding and general safety regulations, as well as, Quality Standards such as IATF 16949 standards.
• Good understanding of business principles and practices that assist in delivering favorable bottom line result.

Education:
• Bachelor’s degree in Polymer or Materials Engineering required. Master’s degree preferred.
• Six Sigma certification Green or Black Belt preferred.

Years Of Experience:
5+ to 7 Years

What does Bendix have to offer you?
• Work/life balance that includes Paid Vacation & Holiday Paid Time Off
• 401k Plan with Company matching
• Retirement Savings Plan
• Educational Assistance Program (Tuition Reimbursement)
• Wellness Program and incentives
• On-Site Fitness Center
• On-Site Cafeteria with Healthy menu options
• Health and Welfare Insurance Benefits that start on your 1st day of employment:
  o Company-Paid Benefits:
    ▪ Basic Life Insurance
    ▪ Basic Accidental Death and Dismemberment (AD&D) Insurance
    ▪ Short Term Disability
    ▪ Business Travel Accident Insurance
    ▪ Employee Assistance Program (EAP)
- **Voluntary Employee-Paid Benefits:**
  - Medical and Prescription insurance
  - Dental insurance
  - Vision insurance
  - Supplemental Life Insurance Plans
  - Supplemental AD&D insurance for Employee and Family
  - Long Term Disability
  - Accident Plan
  - Critical Illness Plan
  - Hospital Indemnity Plan