



Job Title: Metallurgist/Materials Engineer	Job Code:
Department: Inspection	Job Grade:
Revision Date: 03-20-2019	Fair Labor Standards Act (FLSA):

Position Overview

Position duties are as follows but not limited to: evaluating bearing component materials, visual inspection, microscopic inspection, grease analysis, non-destructive testing, magnetic particle inspection, failure analysis, and technical writing. This individual must have excellent organizational skills with close attention to detail and the ability to follow detailed instructions. A strong mechanical aptitude is required. This individual must have the ability to work well in a team environment, but have the capacity to think and make decisions independently.

Essential Job Functions

- Perform metallurgical analysis of base metals, and coatings.
- Uses metallurgical equipment (i.e., microscopes, hardness testers, salt spray, etc.) to check hardness, finish, micro structure, surface carbon, case depth, etc.
- Perform/review hardness measurements.
- Perform in-process inspection of parts during and after the Heat Treatment.
- Perform plating thickness and salt spray test as required.
- Failure analysis as it relates to the material.
- Direct the flow of outside processes and inspection of completed operations.
- Create heat treatment process specs.
- Write technical reports.
- Perform NDT surface temper and mag particle inspection.
- Evaluate material chemistry.
- Determine steel grain size, cleanliness, and microstructure quality.

Qualifications:

- Bachelor's degree in Material Science.
- An understanding of chemistry, fundamentals of engineering, background in strength of materials, fracture mechanics, and heat treatment processes
- Effective written and oral communication skills
- Ability to interpret drawings and schematics
- Must have good vision and hand dexterity for small part inspection.
- Maintain clean room standards and practices.
- Drug testing and background check required for hiring.

Working Conditions:

Climate controlled, lifting up to 40lbs, exposure to acid, noise, and other normal manufacturing conditions.

All positions provide competitive wages, healthcare benefits, paid holidays, retirement plan, paid vacation etc.

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