

## **Akebono Engineering Center – Materials Technician Position**

**Job Title:** Foundation Brake Materials Technician  
**Department:** Foundation Brake Materials  
**Reports To:** FBME Senior Staff Engineer  
**FLSA Status:** Non-Exempt  
**Prepared By:** Orit Milligan

### **SUMMARY**

Perform all assigned duties of a Foundation Brake Materials technician.

**ESSENTIAL DUTIES AND RESPONSIBILITIES** include the following. Other duties may be assigned.

- Materials investigations –
  - Prepare samples and take measurements per F197/F421 as required for material investigations. This involves cutting, mounting, grinding/polishing, hardness measurements, etc.
  - Use microscopes (light optical, stereo, Keyence and SEM) and image analysis system as necessary.
  - Use spectrometer to measure chemistry of various samples
  - Run salt spray tests
- Environmental reporting – complete requests using applicable software
- Lab maintenance / routine 4S + 1
  - Keep lab clean and maintain inventory.
  - Keep personal desk neat and orderly.
- Support ISO/TS 16949-related activities
  - Assist in completing audits
  - Modify and create new forms and W/I's as necessary
- Follow all company safety guidelines including, but not limited to: wear proper protective equipment when working in laboratory.
- Contribute to continual improvement activities such as A.P.S. and 4S+1.
- Maintain professional/team oriented attitude and interaction with other associates.
- Respond to testing needs during off hours.
- Occasionally travel to offsite locations.

### **SUPERVISORY RESPONSIBILITIES**

None.

### **QUALIFICATIONS**

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements

listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

**EDUCATION and/or EXPERIENCE**

Associate's degree (A. A.) or equivalent from two-year college or technical school; plus two to four years experience and training; or equivalent combination of education and experience. Experience and/or training in metallurgical practices or materials engineering desirable. Must be dependable, a self-starter, neat, organized and detail oriented

**COMPUTER SKILLS**

- Must have knowledge of MS Excel, MS Word, and Lotus Notes e-mail software.
- Desirable: Computer skills: IMDS web-based software, Akebono drawing database, Active cabinet

**LANGUAGE SKILLS**

Ability to read, write, and comprehend simple instructions, short correspondence, and memos. Ability to effectively present information in one-on-one and small group situations to customers, clients, and other employees of the organization.

**MATHEMATICAL SKILLS**

Ability to calculate figures and amounts such as discounts, interest, commissions, proportions, percentages, area, circumference, and volume. Ability to apply concepts of basic algebra and geometry. Ability to calculate unit conversions, work with fractions, and decimals.

**REASONING ABILITY**

Ability to apply common sense understanding to carry out instructions furnished in written, oral, or diagram form. Ability to deal with problems involving several concrete variables in standardized situations.

**CONTACT:**

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