

Magna—Metallurgist

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Group

Magna Powertrain

Division

Unimotion-Gear

State/Province/County

Ontario

City

Aurora

Job Type

Regular

Company Introduction

This position is for Unimotion-Gear, a division of Magna Powertrain. Magna Powertrain, an operating unit of Magna International, is a premier supplier for the global automotive industry with full capabilities in powertrain design, development, testing and manufacturing. Offering complete system integration sets us apart from our competitors

Job Introduction

Assist Senior Metallurgist with metallurgical feature analysis and testing activities. Responsible for product material structure and metallurgical feature analysis and testing activities.

Major Responsibilities

- Monitor the in-house process for heat-treated products according to specifications, ensuring compliance with standards and internal work instructions.
- Act as the secondary contact between Unimotion-Gear and the customer.
- Check parts for non-conformance using wet florence magnetic particle.
- Set up production programs and assist in other metallurgical situations that may arise.
- Interact with production, tool room, maintenance, testing and engineering relating to heat-treat and welding issues.
- Report concerns related to product quality to the Senior Metallurgist and Quality Assurance Manager.
- Assist Program Manager in process design and customer satisfaction through timely response to customer requests.
- Assist Quality Engineer in completing heat treat inspection sheet for process control.
- Work with Program Manager to ensure the process is suitable for application, capable, functional, practical and ergonomically sound.
- Act as liaison with customer and ensure customer satisfaction by delivering smooth product launch on time and within budget.
- Provide guidance and enforcement on engineering documentation maintenance and update.
- Work with Design Group to ensure the proper heat treat specification is used on the assembly drawings.
- Assist in heat treat tool design.
- Participate in R&D activities.
- Contribute to a positive work environment by demonstrating and sharing functional / technical knowledge.

- Perform other duties as may be assigned by the Engineering Manager or designate.

Knowledge and Education

Bachelor's Degree in Materials Engineering or related field.
Magnetic particle CGSD Level 1 or equivalent work experience.
Carbon sulphur determination.
Familiar with ASTM / AE / CQI standards.
Polishing, etching, determination of microstructure structure.

Work Experience

Three (3) to four (4) years experience previous experience in a similar role, preferably in an automotive production environment.

Skills and Competencies

Good time keeping and organizational skills.
Good communication skills both verbal and written.
Ability to work with minimal supervision.
Hands-on experience and good understanding of APQP, TS 16949, FMEA, VE/VA, DOE, Advanced GD&T and continuous improvement tools.
Computer skills in Auto Cad, Microsoft Office, Word, Excel, MS Project.
Trained in a method of team-oriented problem solving.
Demonstrated ability to meet deadlines.
Able to work within a self directed work environment to achieve results.
Demonstrated ability to manage simultaneous projects.