

Parts Analysis Lab Intern

Internship Dates

May - October 2017

Seniority Level

Internship

Industry

Automotive,
Electronic Manufacturing

Job Description

The Quality Analysis Team conceives and defines the methods required to adequately test automotive components. Tests are used to determine the root cause of part replacement and failure aimed at increasing the quality of our products and customer satisfaction. You will become knowledgeable in test bench development and fabrication, powertrain deficiencies, and analyses of various automotive parts. You will also strengthen your skill set with specialized industry knowledge through hands-on work experience in a professional, high-paced environment.

- Main Task – Support the Parts Analysis Laboratory at the Test Center California by:
 - Analyzing various automotive parts relevant to emission defects and powertrain deficiencies
 - Monitoring and assisting in the development of tests and measurement devices for analyzing a wide range of automotive parts
 - Writing official reports of test/analysis results
 - Maintaining cleanliness requirements within the Laboratory and Workshop
- Support Laboratory Test Bench Development by:
 - Aiding in the design of electrical/mechanical systems by developing and testing components
 - Improving upon current benches and developing test equipment by studying and researching product requirements, thereby applying that knowledge when designing, building, modifying , and testing test benches
 - Using mechanical machines such as a mill, lathe, and welder with all corresponding work (e.g. tapping)
 - Maintains, troubleshoots, and repairs equipment

Qualifications

- Must be enrolled at a University/College or Graduation date must be within the last six months, Graduate students desired
- Previous hands-on automotive/engineering work experience
- Excellent fabrication, mechanical, and electrical skills
- Strong knowledge of electrical systems/circuits
- Strong knowledge of analysis equipment (e.g. oscilloscope)
- Knowledge of powertrain systems
- Knowledge of Microsoft Office
- Basic calibration knowledge (use of INCA and DiagRA) desired