

**JOB DESCRIPTION**

Division/Department:	Heavy Engineering Business Unit		
Job Location:	Peoria, IL		
Working Arrangement:	Work from Office (Onsite)		
Visa Status:	Authorized to work in USA	Title:	Engine Test Engineer
Level/Grade	L2	Type of position:	Hours 40 / week
		<input checked="" type="checkbox"/> Full-time <input type="checkbox"/> Part-time <input type="checkbox"/> Contractor <input type="checkbox"/> Intern	<input type="checkbox"/> Exempt <input checked="" type="checkbox"/> Nonexempt

**GENERAL DESCRIPTION**

The Development Test Engineer will lead engine test execution as a test engineer, focusing on both structural and non-structural engine tests to validate new engine designs. This role is crucial for the team, which is engaged in key projects aimed at enhancing engine performance and durability. The position requires collaboration with a broad range of teams within the organization to ensure successful test execution and results analysis

**WORK EXPERIENCE REQUIREMENTS**

- 3 to 5 years of engineering experience (including internships and hands-on work).
- Collect test requirements and gauge maps during the pretest phase
- Collaborate with the lab team on test execution and data acquisition using systems like eDAQ, LMS
- Perform test data analysis, structure tests, and modal testing for engine systems and components
- Assess vibration severity, analyse weld/bolted joint and parent material fatigue
- Execute non-structural tests including engine system performance analysis (temperature, pressure, flow, vibration, wear/endurance)
- Communicate test results and recommendations to internal customers such as design engineers and engine system validation leads

**EDUCATION REQUIREMENTS**

- Bachelor’s or Master’s degree in mechanical engineering

**SKILL REQUIRED TO SUCCEED IN THIS JOB**

- Engine test experience is mandatory.
- Proficient in engine knowledge, structure/fatigue knowledge including vibration/durability.
- Experienced in test instrumentation and data processing.
- Familiarity with internal combustion engines and dynamics/vibration development/testing/analysis.

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<ul style="list-style-type: none"> <li>– Ability to manage multiple projects concurrently with a strong understanding of customer needs and product application.</li> <li>– Engine simulation or design experience.</li> <li>– Creativity and team player attributes.</li> <li>– Strong verbal and written communication skills.</li> <li>– Analytical and problem-solving abilities.</li> </ul>			

### Company Overview

AXISCADES is a leading provider of comprehensive technology & engineering solutions, dedicated to driving innovation and excellence across diverse industries ranging from Aerospace, Defence, Automotive to Embedded and Energy sectors.

With 35+ years of expertise and a global presence across North America, Europe and Asia Pacific, AXISCADES offers a broad spectrum of services encompassing digital transformation solutions, embedded electronics solutions, product engineering & manufacturing support. Leveraging cutting-edge technologies and a team of skilled professionals, the company specializes in delivering end-to-end solutions tailored to meet the unique needs of our clients.

**3500+** Engineers, **17** Global Offices, Listed on **Indian Stock Exchange:** Both NSE & BSE, Headquartered in **Bengaluru**.

At AXISCADES, our focus extends beyond project delivery, we're dedicated to nurturing talent and shaping careers. As a premier provider of engineering services, we cultivate a vibrant and inclusive workplace culture conducive to personal and professional growth. Here, individuals are empowered to flourish and evolve within a dynamic and supportive environment with exposure to clients from multiple geographies and industries.

### Heavy Engineering

AXISCADES is a leading engineering solutions provider, recognized for its expertise in the off-highway and industrial sectors. Over 35+ years, we have cultivated a reliable alliance with diverse industries. Our proficiency in machine design and development covers the entire spectrum, spanning from the initial ideation phase to manufacturing assistance and tailored solutions.

Our services encompass a wide array, including product design and validation, engineering software development, manufacturing support, component design, digital manufacturing, supply chain management, and automated engineering processes.

AXISCADES excels in Manufacturing Engineering, providing comprehensive solutions in virtual manufacturing engineering, assembly process planning, and 3D digital factory development and validation. Our expertise ensures efficient, accurate, and optimized production processes tailored to meet diverse industry needs

We extend our capability to cater to an array of heavy vehicles, encompassing commercial trucks, construction equipment including excavators, agricultural machinery, mining trucks, and more. Our pivotal strengths lie in structural and cabin engineering, electrical and hydraulic systems, telematics solutions, fleet management, digital manufacturing services, vehicle electronics subsystem design encompassing active safety systems, driver assistance features (ADAS), body control units, and infotainment systems tailored specifically for this sector.

### Key Pointers

- Over 35 years of experience and collaboration with industry leading OEMs
- Our work footprint extends across 30+ states in the USA.
- Additionally, we are engaged in significant engineering projects in the UK and Europe.
- Engineering partnership with OEMs to deliver turnkey solutions
- Specialization in Design-to-Manufacture solutions
- Cost-effective strategies to minimize manufacturing and lifecycle expenses of end products
- Optimal combination of onshore and offshore resources for cost efficiency
- Demonstrated expertise in project management methodologies
- Flexible approach to accommodate evolving requirements
- Swift transition and rapid ramp-up aligned with chosen delivery models

*AXISCADES is an equal opportunity employer. All applicants will be considered for employment without attention to race, color, religion, sex, sexual orientation, gender identity, national origin, veteran or disability status*