

Job Title: Engine Design Engineer (Senior)

Location: Hosur

Job Type: Full-time

Experience: 8+ years in engine design and development, preferably in tractor engines.

Job Description:

We are seeking a highly motivated **Engine Design Engineer** to join our dynamic team. The ideal candidate will have experience in engine design, subsystem development, prototype builds, and performance validation through laboratory and field testing. This role is crucial in developing and optimizing engine systems, ensuring high performance, durability, and compliance with industry standards.

Key Responsibilities:

- Design and develop **engine components and subsystems**, ensuring optimal performance and durability.
- Work on **prototype build and testing**, collaborating with cross-functional teams for seamless execution.
- Conduct **performance proving in lab and field environments** to validate design reliability.
- Utilize **CAD and simulation tools** for concept development and design refinement.
- Collaborate with suppliers and manufacturing teams for **design feasibility and production support**.
- Analyze test results and make necessary **design improvements** based on findings.
- Ensure compliance with **industry regulations, emissions norms, and safety standards**.
- Provide technical support during the **development and production phases**.

Qualifications & Skills:

- **Graduate Engineer (Mechanical/Automobile Engineering preferred)** with 8+ years of experience in engine design.
- Hands-on experience in **engine development, subsystems, and component design**.
- Knowledge of **tractor engines** or similar applications is highly desirable.
- Proficiency in **CAD tools (Creo, CATIA, SolidWorks, etc.)** for engine component modeling.
- Experience with **performance testing, failure analysis, and design validation**.
- Strong analytical and problem-solving skills.
- Ability to work in a fast-paced environment and collaborate with cross-functional teams.

Preferred Skills:

- Understanding of **engine thermodynamics, combustion, and emissions**.
- Familiarity with **CAE tools and FEA analysis** for structural validation.
- Experience in **material selection and manufacturing processes** for engine components.