

**B. SAKTHIVEL**

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Versatile, high-energy technocrat targeting senior level assignments as **Senior Engineer in Engine Assembly and Testing** an organization of high repute preferably in **Automotive Industry/ OEM.**

Preferable location: Anywhere in south India or abroad**.**

**PROFILE SNAPSHOT**

A competent professional with **4.7 years** of experience in: **SIMPSON AND CO LTD, chennao-02.**

**Experienced professional in Engine Assembly and Engine Testing**

***Engine Test Shop Engineer : From Aug 2016 to Till date (2.7 years):-***

***Gained Good Knowledge in,***

***~ Engine Testing ~Standard performance test ~Sweep test ~Transition test ~NPI test ~Emission Test and Analysing ~Engine Dyno's (Eddy current and water breaking) ~8 & 13 mode test ~ Resource consumption test (oil and fuel) ~ FTP and PTP ~Support for development trials & Setting of engine Test bed boundary conditions ~Oil slobber ~Data control and documentation ~AVL engine smoke and blow by meters ~Emission norms ~ Participate in COP ~Loaded and Unloaded Engine Testing ~IMS***

* Offering over 2.7 years of working experience in Engine Testing and New Product Development Testing in **Simpson& Co. Ltd., Annasalai as Senior Engineer** in Engine Assembly Section.
* Gained exposure in **planning work flow**, managing multiple priorities and meeting daily **production targets while consistently reducing downtime.**
* Proficient in **Engine Testing & Engine Rework and Engines Failure Analysis.**
* Skilled in **strategizing techniques for maximum utilization of manpower** with a thorough understanding of industry & technology trends.
* Ensure Testing of Engines as per Engine Standards (POC / Specifications) and Conduct audits for critical parameters in repeatedly and ensure the abnormalities.
* Ensure smooth flow of Production as per the delivery requirements.
* **Resolving** inline process and parts quality issues/ rejections.
* Test the engines as per all test requirements and confirming with Checksheets.
* Continuous improvements in testing to maximize and avoid Production loss.
* Involve in Engine In-house failures and resolve with proper root cause analysis.
* Expertise in **implementing cost saving techniques/measures and modifications** to achieve substantial reduction in all types O&M expenditures and work within the budget.

**Experience in OE Service in TAFE KO and SAME Duetz Fahr.**

**"Significant achievements in Engine Test Shop" :-**

**+Successfully implemented Closed Cooling system in Engine Test beds.**

**+Reduction of Engine Test cycle from 65 minutes to 35 minutes by NVP elimination.**

**+Successfully completed Cummins BIS issues with proper root cause Analysis.**

**+ Implemented Engine Fixtures with throttle arrangement**

**+ Introduced Poka-yoke for engie oil filling**

**"GET in Engine Assembly Section : Aug 2014 to Aug 2016 (2 years)**

***~ Production Planning & Control*** ***~ Manpower Handling*** ***~ Time study*** ***~kaizen*** ***~5s ~ Report generation and Documentation ~ kaizen*** ***~ Failure Analysis~ Engine Torque Audits~ Team Building & Leadership*** ***~ Poke-yoke*** ***~ Root cause identification ~ 7QC Tools***  ***~ ISO TS 16949*** ***~ OEE ~3M ~ JIT ~ISO documents preparation ISO 9001, ISO 14001 and ISO 45001***

**Key Result Areas: Engine Assembly Section**

* + Accomplishment of production targets within the time and cost parameters.
  + Spearheaded the assembly of 1/2/3/4 cylinder diesel engines; planned activities involving working out various requirements & monitoring overall operations for ensuring timely completion of project work and meeting the production target in compliance with quality and safety procedures.
  + Formulated project schedules, project status report, equipment specifications, manpower and Process Quality & Safety Aspects.
  + Ensured periodic and preventive maintenance are appropriately scheduled & accomplished and emergency troubleshooting & maintenance support were readily available; controlled processes, foresaw performance bottlenecks and took corrective measures to avoid the same.
  + Led the development of special **fixtures** in different assembly stages in order to improve process quality.
  + Successfully completed two major leak complaints reported in S4 & S440 model engines by introducing leak identifying sprays.
  + Led team of **Junior Line Engineer** to install and upgrade equipment, preventive maintenance, troubleshooting and repair of equipment; ensured documentation for maintenance related items
  + Completed leakage elimination project in Cummins Engines; recognized for introducing **poke yoke** in engine assembly line to **eliminate human errors**

**ORGANISATIONAL EXPERIENCE**

**Aug’14-Till date: Simpson & Co. Ltd., Chennai 02.Simpson** is one of the largest pioneer for diesel engine manufacturing industry located in Chennai.Manufacturing diesel engines for TAFE, VOLTAS, GODREG, CUMMINS, TATA CUMMINS, EICHER, SAME- DUETZ, for industrial equipments, agriculture sectors, commercial vehicles, etc

**Career growth:**

Aug ’16-Present : Senior Engineer – Engine Testing department.

Aug '14 to Aug '16. :. GET - Engine Assembly Section

**IT SKILLS**

* Oracle ERP 12i, outlook.
* Microsoft Excel, Word& PowerPoint, vlook up, pivot table & charts,
* Auto cad / solid works

**ACADEMIC DETAILS**

* **BE (Mechanical)** from Podhigai college of Engineering and Technology, Vellore in **2014 : 7.0CGP**
* **12th**from IVN Govt. Higher Secondary School, Kandhili, State Board, Vellore in **2010 : 70%**
* **10th**from IVN Govt. Higher Secondary School, Kandhili, State Board, Vellore in **2008 : 75%**

**PERSONAL DETAILS**

Date of Birth: 04/06/1993

Languages Known: English, Tamil and Telugu,

Address: 1/45, Periyagaram Village, Tirupattur, Vellore 635 601.

**REFERENCES**

**Thanks with Regards,**

**SAKTHIVEL B**