

Shayan Chakrabarti

Quality assurance and quality testing manager

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SUMMARY:

Quality assurance and quality testing manager with over 11 years in the construction machinery industry. My core strength is machined gearbox components quality assurance (JIS, AGMA standards), gearbox assembly process improvements and construction machinery structural and functional testing.

EXPERIENCE:

2023 – present

Assistant Divisional Manager, quality testing

TATA HITACHI CONSTRUCTION MACHINERY CO. PVT. LTD., Kharagpur

- Structural and functional tests of hydraulic excavators like stress test, basic performance test, combined swing and boom raise, fuel efficiency and productivity tests, noise test etc.
- Validation of design changes in mid-size excavators

2021-2023

Assistant Divisional Manager, machine and gearbox assembly shop QA in-charge

TATA HITACHI CONSTRUCTION MACHINERY CO. PVT. LTD., Kharagpur

- Uniform load distribution on 2 CMMs and 1 gear tester, by enabling all machines to check all components by exploring new features
- Control and management of quality review sheet and part approval certificates for quality control of new part development in coordination with Hitachi construction machinery, Japan
- Inspection efficiency improvement through projects like operator-less inspection in C shift

2019-2021

Senior manager, machine shop QA in-charge

TATA HITACHI CONSTRUCTION MACHINERY CO. PVT. LTD., Kharagpur

- Streamlined defect information flow through automation in documentation
- Increased inspection efficiency by introducing multipart inspection in CMM

- Played joint role along with other departments like design in reduction of gearbox defects through various projects like travel device seal modification
- CAPEX planning and upgradation of facilities like Zeiss Prismo CMM, Wenzel gear tester

2016-2019

Quality engineer trainee

HITACHI CONSTRUCTION MACHINERY CO. PVT. LTD, Japan

- Trained about part development from proto to mass production
- Trained in machined component quality control and machine shop defect management
- Won grade 2 certificate at Japan's national skill test (machined part inspection category)

2012-2016

Gearbox assembly quality manager

TATA HITACHI CONSTRUCTION MACHINERY CO. PVT. LTD, Jamshedpur

- Process improvements like introduction of leak testing set-up for gearbox, gearbox paint parameters control through check sheets etc.
- Root cause analysis of major gearbox failures

AWARDS:

- CII 34th Quality Circle Competition, West Bengal State Level
Topic: Multipart inspection at CMM leading to efficiency improvement
- Grade 2 certificate at Japan's national skill test

EDUCATION:

2008-2012

CGPA 8.53/10, 1st class Honours in Bachelor of engineering (mech.), Jadavpur University, Kolkata

Project: Study of effect of process parameters on % of Ni and P in Ni-P electroless coating

2008

88.2% in class XII, Jodhpur boy's school, west Bengal board

2006

87.13% in Class X, Narendrapur Ramakrishna Mission, Kolkata

Skills: CMM, Spacefinder, NPD, SPC, Excel, Gear tester, ISO Audit

Languages: Bengali, English, Hindi, Japanese N2 level

Interests: Travelling, music

All the facts stated above are true to the best of my knowledge.