

Development Test Engineer

Competitive Salary + pension + 33 days holiday (including Bank Holidays)

Working Hours: Monday to Thursday 8.30am - 5.00pm and Friday's 8.30am - 1.30pm.

OLEO International a trading division of TA Savery & Co Limited has an exciting opportunity for an experienced Development Test Engineer to join our development team based in Coventry.

As a company we are a World leader in the design and manufacture of safety critical equipment used in a wide range of applications in the Rail, Elevator and Industrial sectors.

Overall Purpose of the Role:

Reporting to the Principal Engineer you will be responsible for designing, modifying and commissioning test systems for testing rail / elevator buffers, couplers, and end stop assemblies.

The role will cover all aspects of test development; requirements definition, test process validation and hardware specification as well as liaising with internal and external customers. You'll be part of the T.A. Savery & Co Ltd. UKAS accredited test team that is expanding to deliver greater capability and to verify Oleo International Ltd product ranges.

Duties & Responsibilities:

- Perform product tests and analyse / report results, ensuring impartiality and accuracy of testing activities.
- Produce robust rig designs for new products.
- Design test set-ups & rigs including control and data-acquisition using appropriate tools (e.g. DASylab, Labview).
- Conduct a range of product tests including static, quasi-static dynamic, durability & environmental tests.
- Develop and work in accordance with Engineering and Test procedures.
- Work in accordance with QS9001 & ISO17025 requirements.
- Assist in product and process trouble shooting.
- Ensure that the laboratory equipment is suitable for purpose.
- Complete bespoke testing in accordance with new requirements
- Drive continuous improvement in all laboratory related activities.
- Ensure the accurate recording of test information and maintain test documentation.
- Extract process and analyse raw test data as required.
- Apply relevant statistical techniques to test data (DoE, SPC etc.)
- Monitor test rig condition for safety and performance.
- Perform preventative maintenance on instrumentation and control systems.
- Calibrate test instruments as required.

- Conduct and report CoP (Conformity of Production) tests to a pre-defined schedule.
- Partake in design reviews when required.
- Assist in Design Failure Mode reviews (D-FMEA).
- Identify and advise Engineers on product manufacturing and performance issues.

Qualifications & Experience:

- Possesses a Mechanical, Electronics or Control Engineering related qualification.
- Practical experience working within a mechanical / product testing environment.
- Experience of setting up and monitoring mechanical tests such as strength, durability and environmental.
- Possesses a detailed practical knowledge of electronic measurement and logging equipment such as load cells, accelerometers, LVDTs and amplifiers.
- Practical knowledge of environmental (thermal) testing along with calibration measuring equipment.
- Practiced in extraction, processing and analysis of test data.
- Experience of working within an ISO9001 and or ISO17025 company / laboratory environment.
- Detailed understanding of HSE practices in the laboratory.
- Experience in the assembly / disassembly of mechanical components along with a familiarity of hydraulics / hydraulic mechanisms and hydraulic rig design would be advantageous.

If you are interested in applying for the above position please email your CV to: richard.edwards@oleo-savery.com

Oleo International is an equal opportunities Employer