

JOB DESCRIPTION

Job Title: Lead Calibration Engineer – Diesel

Department: Calibration

Reporting to: Calibration Manager

Location: Dunton

General Job Purpose:

To deliver all aspects of calibration, in order to meet customer's emissions, fuel economy and driveability targets

Key Result Areas:

- Development of engine management system calibrations in-line with customer requirements
- Plan, conduct and report on engine, vehicle and component tests in accordance with appropriate calibration processes
- Participate in hot, cold and altitude environmental testing
- Assist in the planning of calibration programmes to meet customer objectives
- Take technical responsibility for work completed ensuring that quality standards are met
- Liaise with customers and suppliers in a professional manner at all times

Knowledge of the following:

- Diesel engine operating principles.
 - Fuel systems
 - Air induction
 - Exhaust and catalytic process
- Principles of engine management systems
- Electrical sub-system and sensor / actuator knowledge
 - ECU communication protocols e.g CAN, SCP, KW2000. Knowledge of scan tools and their operation.
 - EMS system FMEA's and component failure modes (open circuit, short circuit, rationality tests)
 - Closed loop and open loop feedback systems
 - Electrical fault finding and rectification
- Principles of diesel emissions control and after treatment technology

- Power train design fundamentals and effect on emissions
- Emissions test facilities, techniques and legislation
- PC literate including Word, Excel, calibration tools and data loggers
- MATLAB / SIMULINK knowledge would be beneficial

Education/Qualifications:

Degree level or equivalent in an engineering related discipline

Special Aptitudes:

- Team player
- Self starter
- Self motivated
- Flexible
- Attention to detail
- Strives for excellence
- Initiative
- Must be willing to travel

Values:

Can do	must possess a positive attitude and display the ability to identify alternative solutions to problems
Relentless	in exceeding customer expectations and continually exceeding goals
Rigorous	a commitment to achieving the best solutions
Creativity	endeavour to find new ways of doing things and learn from past experiences