

**JOB DESCRIPTION**

Job Title:	Hydraulic Systems Engineer
Department:	Engineering
Reporting To:	Hydraulics, Drives and Fluid Design Team Leader

You will be involved in hydraulic component selection, hydraulic circuit design and supporting the production team with hydraulic issues. You will also be involved in preliminary BOM Maintenance and the standardisation of designs across product families. Where applicable you will also be involved in pneumatic component changes and testing.

You will be the go-to person for care and maintenance of Whale driveline and hydraulic designs!

Key duties and responsibilities:

- Support with producing technically compliant hydraulic schematics and supporting engineering documentation that meet both application and customer's requirements.
- Specifying and selecting hydraulic components and equipment to meet the design requirements.
- Supporting to manage hydraulic systems for key projects as required.
- Support development testing, design validation, commissioning and fault finding activities.
- Ensure both internal and external customer satisfaction.
- Support with hydraulic system expertise to the rest of the business. (Production, Technical, Service, Sales & Parts)
- Carry out engineering activities to support the hydraulic engineering projects.
- Compliance with Quality Management system and health and safety legislation.
- Support the production team with design changes
- Problem solving
- Standardisation of designs across product families
- BOM maintenance
- Any other ad hoc duties

Personal requirements:

- NVQ Level 3 / HNC level education in an engineering or technical subject. (would be an advantage)
- Hydraulic training at the NPFC or Bath University (or equivalent) would be an advantage.
- Experience in designing and developing and implementing hydraulic systems into mobile equipment would be an advantage.
- Knowledge of open loop and closed loop hydraulic systems and proportional control.
- Knowledge of load sensing systems and other types of pump controls.
- Ability to interpret and understand a hydraulic circuit.
- Excellent communication, problem solving and team work skills.
- Excellent planning and organisational skills.
- Proficient in Microsoft Office and a relevant CAD package.
- Innovative in approach to solution generation.
- Have a positive proactive attitude.
- General interest and willingness' to learn about hydraulic engineering within mobile equipment.
- General knowledge of pneumatics, electronics, water and vacuum systems would be an advantage.
- Experience of using Solidworks preferred.
- Experience of pneumatics desirable
- Ability to work under pressure



Key relationships:

- Technical Team
- Production Build Shop Supervisors
- Purchasing Team
- Engineering Managers