



Engineering Technician High Pressure

Duties:

- Perform tests as described by engineering in the high pressure pump laboratory
- Build high pressure assemblies, perform tests, disassemble and carefully inspect components for signs of wear and/or fatigue
- Document experimental set-ups, record observations, log & analyze test data and present results
- Maintain clean and safe work environment within the high pressure pump laboratory
- Fabricate and assemble fixtures, experimental setups (including data acquisition), and other tooling for experiments
- Perform all other duties as deemed necessary by the department manager or supervisor

Qualifications:

- Five years of relevant experience in maintaining and operating high pressure and water jet cutting machinery, hydraulics, engines or equivalent
- Strong mechanical aptitude, experience building/rebuilding engines, pumps, or other mechanical devices
- Detailed oriented, keen observation skills and capable of thoroughly documenting experimental setups and test results
- Ability to set up & run basic software for data acquisition
- Welding and light fabrication experience
- Basic knowledge of electrical circuitry (wiring switches, lamps, motors)
- Read 2D engineering drawings for prototype manufacturing. 3D CAD experience preferred
- Proficient with Microsoft Office programs including presentation of data/experimental results in Excel and Powerpoint
- Experience with basic hand tools, measuring devices, electronic meters and assembly
- Electronic, electrical, and mechanical troubleshooting also a plus
- Able to work with minimal direction, recognize and perform duties without direct supervision