



Simmons Equipment Company
PO Box 719
Pounding Mill, VA 24637
276.991.3345 office
276.226.2396 fax
www.simmonsequip.com

Hydraulic Engineer, Job Description (Rev A)

A hydraulics engineer is a professional who specializes in designing, developing, and maintaining hydraulic systems. They work with a variety of components such as pumps, valves, motors, cylinders, and filters to create systems that operate Simmons machinery, and equipment.

Responsibilities:

- Designing hydraulic systems that meet specific requirements.
- Conducting research to improve existing hydraulic systems.
- Selecting appropriate components such as pumps, valves, and motors.
- Testing hydraulic systems to ensure they are safe, efficient, and effective.
- Troubleshooting hydraulic system problems.
- Maintaining and repairing hydraulic systems.
- Collaborating with other engineers to ensure project success.
- Providing technical support to clients and colleagues.
- Staying up to date with new hydraulic technology and industry trends.
- Investigating the feasibility, efficiency, and safety of using hydraulic power in various applications.
- Analyzing fluid flow, pressure and velocity in hydraulic systems and identifying potential problems and solutions.
- Any other job assigned by Supervisor.

Requirements:

- Bachelor's degree in mechanical engineering or a related field.
- Master's degree in mechanical engineering or a related field (preferred).
- Professional Engineering (PE) license (preferred).
- Relevant work experience in hydraulic system design and development.
- Strong knowledge of fluid mechanics, physics, and mathematics.
- Ability to design and develop hydraulic systems.
- Knowledge of hydraulic components such as pumps, valves, motors, and cylinders.
- Proficiency in computer-aided design (CAD) software.
- Strong problem-solving and analytical skills.
- Excellent communication and interpersonal skills.
- Ability to work well in a team environment.
- Attention to detail.
- Time management skills.



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Please visit simmonsequip.com to download an application or submit your resume. You may also pick up an application at 2175 Fincastle Turnpike Tazewell, VA