Hydraulics Engineer

We’re coming up with ways to build the world’s most incredible cranes; we’re thinking outside the box to design efficient and reliable equipment components; and we’re bringing innovation to life each and every day with dreamers like you.

As an Engineer with Manitowoc Cranes, you’ll have the opportunity to perform entry-level product design work on modifications and/or revisions to established and new products. This position is based in Manitowoc, WI.

If you’re up to the challenge, the reward is satisfaction . . . and knowing you helped build something real. Join our passionate team and help build something you can be proud of – a future filled with passion, pride, and satisfaction.

Essential Job Functions:

- Prepare concept sketches, layouts, and specification documents as required.
- Conduct hydraulic system performance calculations.
- Create hydraulic schematics
- Size hydraulic components for optimum performance
- Plan and coordinate the validation of hydraulic component and systems
- Prepare basic analysis, test, performance, schedule, and cost information as required.
- Prepare and report on progress, feasibility, and concept studies, etc. as required.
- Assist other departments in preparation of manuals and sales literature on assigned projects.
- Maintain close contact and coordinate activities with other groups within the Product Engineering department.
- Assignments may involve new product design, product improvements, test analysis, production liaison and service liaison utilizing a variety of engineering disciplines.
- Ability to perform job functions in a safe manner. Successfully complete all safety training required by the time constraints set by governmental regulations. Must wear all Personal Protective Equipment (P.P.E.) required, by company policy, for the job being performed.

Job Requirements / Work Conditions:
• Bachelor’s degree in Engineering or will consider candidates who will obtain the degree by May 2017.
• A firm understanding of fluid power physics
• Experience in using hydraulic equations for performance calculations
• A basic understanding of hydraulic circuits and the ability to read hydraulic schematics
• Familiarity of hydraulic components such as pumps, motors, cylinders, and valves.
• Experience with 3-D modeling software is required, preferably ProEngineer.
• Familiarity with Microsoft Office programs including Word and Excel is required.
• Training in Creo Piping and Matlab/Simulink is preferred.
• Working conditions include a normal office environment with exposure to production factory environment.

*Manitowoc Cranes is recognized globally as one of the premier innovators and manufacturers of crawler cranes, tower cranes, and mobile cranes for the heavy construction industry. Leading brands include Grove, Manitowoc, National Crane, and Potain.

EOE/Disabled/Veteran