



Example of Hydraulic Engineer Job Description

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Our growing company is hiring for a hydraulic engineer. To join our growing team, please review the list of responsibilities and qualifications.

Responsibilities for hydraulic engineer

- Development of electrical equipment specifications and Bills of Materials for procurement and construction
- Extensive use of Microsoft Office business systems such as ProjectWise, electrical engineering software, such as ETap, and Computer Aided Drafting Tools, such as AutoCAD to view and manipulate engineering drawing files
- Communicates effectively in both verbal and written format
- Collaborates with the Integrated Product Team to identify root cause and develop corrective action plans and solutions for complex problems
- Interacts with shop personnel
- Performs trade studies for the wheel, brakes and hydraulic systems to identify optimal engineering solution
- Defines hydraulic and braking system schematics and architecture
- Develops component level requirements derived from top level system requirements
- Performs clean sheet component layouts for wheel, brakes and hydraulic systems in support of schematic architecture
- Performs kinematic studies and system performance analysis

Qualifications for hydraulic engineer

- Actively apply logical thought processes to resolve complex issues/problems and positively contribute to Department and Company strategy
- Successfully and simultaneously manage multiple tasks with minimal direct supervision

- Perform all essential and marginal functions of the job
- Travel infrequently (sometimes overnight) across a reasonable geographic region
- Demonstrated knowledge of crude and/or refined petroleum pipeline hydraulic design and operation