

CNH Industrial

Burr Ridge, IL

Contact: josh.zimmerman@cnhind.com

Title

Hydraulic System Design Engineer

Job Function

Product Development & Engineering

Salaried / Hourly

Salaried

Job Description

Through its people and brands, CNH Industrial delivers power, technology and innovation to farmers, builders and drivers all around the world. Each of its brands, including Case IH, New Holland Agriculture, Case and New Holland Construction, FPT Industrial, Capital, and Parts & Service, is a major international force in its specific sector.

The **Hydraulic Design Engineer supports the Cash Crop High tractor** platform including new product development, current product quality and reliability and cost reduction projects. This individual will report into a hydraulic component group.

Responsibilities Include:

Design, development and detailing of hydraulic and pneumatic components and systems, including electro-hydraulic and mechanical components and systems for tractor applications. Generating new tractor hydraulic system design concepts that will improve vehicle performance, value to the customer or increases number of features. Creating engineering specifications for new hydraulic and pneumatic components or systems and working closely with suppliers during the development and validation phase.

Incorporating engineering standards, methodologies and CNH Industrial global product development processes into daily work tasks. Utilizing Creo, TeamCenter, Automation Studio, AmeSim and other relevant software to create and develop hydraulic system

designs and layouts. Assessing and mitigating design risks by scheduling and organizing design reviews and DFMEA's.

Developing plans to achieve cost and reliability targets of components and systems. Contributing to the overall cost reduction and profitability related to component design of new and existing products. Proposing new and innovative design concepts, inventions, patents and opportunities for improvement. Ensuring completion of engineering activities within project objectives and timeline. Supporting management and senior engineers in the completion of projects.

Required Qualifications

The qualified candidate will have experience with the following:

Bachelor of Science degree within an Engineering discipline

Minimum of 3 years of hydraulic engineering experience

The preferred candidate will have experience with the following:

Knowledge or experience with Agriculture, specifically Ag tractors

Hydraulic engineering experience specifically with tractors or other mobile equipment

Experience with 3D CAD-software (ProE/Creo preferred), simulation software (Matlab/Simulink, AmeSim, Automation Studio), BoM systems and standard MS-office software.

Understanding of mobile hydraulic component and system design, including electro-hydraulic systems.

Understanding of project management

Excellent oral and written communication skills

Strong problem-solving skills

Demonstrated ability to work in cross-functional teams

Able to work with minimal supervision

Demonstrated focus on customer satisfaction

Equal opportunity employer. This company considers candidates regardless of race, color, religion, sex, sexual orientation, gender identity, national origin, disability or veteran status.