



Sany America Inc.

Job Title: Powertrain Engineer

Detailed Job Description:

The Powertrain Engineer will be responsible for managing the tier 4 engine installations and engine-system packaging on the hydraulic excavator product line. The position will also perform R&D related support for engine related issues on the hydraulic excavator product line. The Powertrain Engineer will operate out of the SANY America Research and Development (R&D) Facility in Peachtree City, Georgia, and will report to the hydraulic excavator (HEX) Chief Engineer.

Key responsibilities and accountabilities:

1. Plans, performs, and coordinates the design process tasks for tier 4 engine projects.
2. Develop and implement optimal, cost-effective engineering designs in accordance with product specifications and quality standards.
3. Recommends and implements improvements to production processes, methods, and controls.
4. Coordinates manufacturing launch for new or revised engine related projects.

Essential Skills and Experience:

1. Bachelor of Science degree in mechanical engineering; MS degree a plus.
2. Must be knowledgeable in engine installation and engine tier emission requirements for construction equipment.
3. Advanced technical experience working on vibration analysis, cooling requirements, emission reduction components, and mobile hydraulic systems.
4. Good understanding of the product life cycle of heavy construction equipment and recent experience in product development using a Phase-Gate methodology
5. Must have proven capability with 3D CAD modeling and PDM systems; Pro-E and Windchill experience preferred.
6. An ability to think ahead, plan, and coordinate activity over a 3-6 month time span.
7. Project management ability to organize and manage multiple priorities.
8. Problem analysis and problem resolution in engine, cooling, hydraulic, and electrical systems.
9. Advanced technical skills in quality processes, vehicle testing, and testing equipment.
10. Background in lean manufacturing a plus.
11. High performing and detailed oriented team player.
12. Excellent interpersonal and communication skills.
13. Regular travel to China to facilitate communication, conduct product reviews, and observe testing.

