

Test and Development Engineer

JOB OPPORTUNITY

Date Posted	<u>6/03/2025</u>	Date Taken Down	<u>06/05/2025</u>
Department	<u>Engineering</u>	No. of Openings	<u>1</u>
Classification	<u>Engineering</u>	Pay Range	<u>Depends on Experience</u>

Duties (Including, but not limited to):

- Develop and execute DVP&R (Design Verification Plan & Report) testing for new and existing components and systems.
- Collaborate with Design Engineering to validate component and system performance, durability, and integration prior to production release.
- Manage all aspects of regulatory compliance testing, including ABYC, USCG, and CE and certification requirements.
- Lead on-water and lab-based testing activities, including performance evaluation, structural assessment, and environmental durability.
- Troubleshoot design and field issues by replicating conditions and conducting failure analysis.
- Provide feedback to design and manufacturing engineering on component performance and improvements based on test results.
- Instrument, monitor, and analyze test boats and test benches using data acquisition tools and sensors.
- Support prototype builds and test boat preparation.
- Maintain test records, analyze results, and document test reports with actionable insights.
- Ensure timely and thorough completion of all validation test plans for assigned projects.
- Ensure interdepartmental communication and alignment on testing schedules and results.
- Maintain a clean, safe, and organized work environment in lab and field test areas.
- Ensure compliance with company policies and testing protocols.
- Interface with suppliers to support validation of purchased components.
- Coordinate with Manufacturing, Quality, and Purchasing to support production testing, issue resolution, and component qualification.
- Provide technical support and test data interpretation to Service and Warranty departments.

Education & Work Experience:

Bachelor's Degree in Mechanical Engineering or related field preferred.

- Minimum 2–5 years of experience in product development testing, preferably in marine, automotive, or recreational vehicle industries.
- Experience executing DVP&R or validation testing plans.
- Strong mechanical aptitude and ability to work hands-on in lab and on-water environments.
- Knowledge of marine safety and regulatory standards (ABYC, CE, TC and USCG) preferred.
- Proven ability to collect and interpret data and present actionable results.
- Team player with strong communication and collaboration skills.
- Working knowledge of Microsoft Office, data acquisition software, and CAD review tools.
- Proficient at boat operation, navigation, and trailering.
- Knowledge of marine safety and regulatory standards (ABYC, CE, TC, and USCG) preferred.