Vessel hazards for marine contractors Meeting Kit



WHAT’S AT STAKE

A vessel for marine contractors serves as a platform for transporting personnel, equipment, and materials to offshore or nearshore locations where the construction or maintenance work is taking place. It provides a workspace and accommodation for the crew, storage for equipment and materials, and facilities for specialized tasks such as diving, lifting, and surveying.

WHAT’S THE DANGER

VESSEL HAZARDS FOR MARINE CONTRACTORS

- High winds, heavy seas, storms, and hurricanes pose significant hazards to marine contractors. These conditions can affect vessel stability, navigation, and the safety of crew members and equipment on board.
- Vessel collisions with other ships, structures, or the seabed can lead to serious accidents, and vessel damage.
- Marine contractors work with various machinery and equipment on board vessels, such as cranes, winches, pumps, and power tools. Hazards associated with these include entanglement, falls, mechanical failures, and electrical hazards.
- Falling overboard is a significant risk for marine contractors. It can happen due to slippery surfaces, inadequate safety measures, unstable work platforms, or sudden vessel movements.
- Fires and explosions can occur on vessels due to fuel leaks, electrical malfunctions, welding activities, or hazardous cargo.
- Many marine construction projects involve working with hazardous materials, including fuels, paints, chemicals, and other pollutants.
- Fatigue among crew members can lead to reduced alertness which increases accidents.

HOW TO PROTECT YOURSELF

KEY SAFETY STEPS FOR VESSELS

Vessel Selection: Carefully assess the requirements of your project and choose the appropriate vessel type and size that aligns with the specific tasks you need to perform. Consider factors such as water depth, weather conditions, equipment and

personnel transportation needs, and specialized capabilities required for your operations.

Vessel Maintenance: Develop a maintenance plan that includes routine inspections, servicing of engines and equipment, hull maintenance, and adherence to manufacturer's guidelines.

Crew Training: Ensure that the crew members operating the vessel receive appropriate training and certifications. They should be familiar with vessel operations, navigation procedures, emergency response protocols, and safety measures. Regularly conduct safety drills and training sessions to enhance crew competency and maintain a culture of safety on board.

Safety Equipment: Equip your vessel with necessary safety equipment, including life jackets, life rafts, fire extinguishers, communication devices, navigation aids, and emergency response equipment.

Compliance with Regulations: Stay informed about the relevant maritime regulations, safety standards, and environmental requirements applicable to your vessel operations.

Risk Assessment and Management: Conduct thorough risk assessments before each project or operation. Identify potential hazards, assess risks, and implement mitigation measures to minimize or eliminate risks to crew, equipment, and the environment.

Communication and Coordination: Establish effective communication and coordination systems among the vessel crew, project managers, and other stakeholders. Maintain regular contact with onshore support personnel and provide updates on vessel movements, operational status, and any significant incidents or changes.

Emergency Preparedness: Develop and implement procedures for dealing with emergencies such as fire, man overboard, medical emergencies, vessel damage, and environmental spills. Conduct regular emergency drills.

Environmental Protection: Follow best practices for waste management, fuel consumption, and pollution prevention. Adhere to local regulations and industry guidelines to protect marine ecosystems and comply with environmental standards.

TIPS TO BE A GOOD WORKER IN A VESSEL FOR MARINE CONTRACTORS

Safety First: Follow safety protocols, wear personal protective equipment (PPE) as required, and participate actively in safety drills and training sessions.

Communication Skills: Effective communication is crucial on a vessel. Clearly communicate with your fellow crew members, superiors, and other stakeholders.

Teamwork and Collaboration: Work collaboratively with your teammates and other crew members. Foster a positive and respectful work environment.

Adaptability and Flexibility: Be prepared to adjust to changing conditions, schedules, and tasks. Demonstrate flexibility in your work approach and willingness to take on different responsibilities as needed.

Technical Competence: Continuously develop and enhance your technical skills relevant to your role on the vessel. Stay updated on industry best practices, regulations, and technological advancements.

Problem-Solving Skills: Be proactive in identifying issues and finding practical

solutions.

Professionalism and Reliability: Conduct yourself professionally and maintain a strong work ethic.

Time Management: Effectively manage your time and prioritize tasks to ensure productivity. Plan and organize your work, set realistic goals, and meet deadlines.

Continuous Learning: Seek opportunities to expand your knowledge and skills through training programs, certifications, and on-the-job experiences.

Environmental Awareness: Be conscious of the environment and take steps to minimize your impact.

FINAL WORD

Vessels are integral to the success of marine contractors’ operations. They facilitate transportation, equipment deployment, support functions, safety, and specialized capabilities necessary for efficient and effective marine construction projects.