

NOS PSSPO103 Drive shore based vehicles

Unit PSSPO103.2 Drive tractor vehicles within Ro/Ro vessels (SQA Unit Code-H77X 04)

Performance Criteria

You must be able to

Drive tractor vehicles within Ro/Ro vessels

1. assess the gradients, widths and height limitations of all slopes and ramps to be negotiated in moving in, on and off the vessel, and also the weight and nature of the cargo, confirming that the tractor unit is suitable for manoeuvring the cargo trailer within the vessel
2. deal with any difficulties or faults with the tractor unit, and its use within the vessel
3. establish and maintain contact with all relevant persons on-shore and within the vessel, ensuring that they are aware of your operations
4. monitor the activities and the whereabouts of individuals and other vehicles within the vicinity of own operation, and take immediate and appropriate actions to address dangerous situations
5. manoeuvre the tractor unit and trailer safely and efficiently, on/off and within the Ro/Ro vessel, ensuring that no damage occurs to the tractor unit, trailer, other vehicles and the vessel
6. follow ramp segregation procedures when driving on ramps
7. ensure that exits and passageways within the vessel remain clear
8. identify the cargo to be handled and move it to the designated position
9. turn off the engine when the tractor unit is parked
10. park trailers safely and only within designated spaces, and allowing sufficient space for appropriate associated manual operations
11. ensure that upon completion, tractor units are stored safely and securely, and in good condition

Knowledge and understanding

You need to know and understand

1. the legal responsibilities for maintaining own and others' health and safety in the workplace
2. the requirements placed upon the individual and the organisation by current legislation, relevant to driving vehicles in own area of operations
3. current industry guidance relevant to driving vehicles in own area of operations
4. own organisation's policies, procedures and working practices relevant to driving vehicles in own area of operations including on and off vessels
5. the operating procedures, capabilities (including manoeuvring characteristics) and limitations of the types of vehicles within own area of operations
6. own organisation's pre-start checks, the correct procedures for checking lubricants and other fluids and why it is important to report any faults and defects prior to commencing operations
7. own organisational procedures for reporting and documenting vehicle faults, tests and checks

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8. the implications of operating a vehicle that is unsafe or that has been serviced poorly

9. the preparation and operational requirements of haulage vehicles
10. the characteristics of trailers and their cargo when being moved
11. the factors that can affect the stability and security of cargo when it is being transferred, and how these can be affected by environmental conditions
12. the principal characteristics of the main types of cargo, including their nature, weight and associated hazards
13. safe manual handling, and lifting techniques, the kinetics involved, and the importance of using these techniques properly
14. the physical layout of the port area, relevant to own area of operations
15. how changes in environmental conditions can affect loading and discharge operations
16. the characteristics of vessels, ramps and vehicles used for cargo handling operations within vessels and are aware of the principal types of hazards that can occur and the precautions appropriate to addressing these hazards
17. how to identify and operate the principal controls within vehicles
18. how exhaust fumes can accumulate the dangers that they pose, and the precautions to take in addressing the dangers posed
19. the speed limits specified for equipment operating within the port environment and the importance of operating within these speed limits