

Unit PSSPO102.4 Transfer loads using ships gear (SQA Unit Code H77S 04)

Performance Criteria

You must be able to

Transfer loads using ships gear

1. confirm with the responsible person that the ship's gear provided is suitable for the lifting operation required, taking into account the capabilities of the gear, the characteristics and location of the load, its destination and the planned work area
2. confirm with the responsible person that documentation, including test certificates, relating to the equipment is in order, referring any queries before beginning handling operations
3. familiarise yourself with the controls, and check and ensure that all operating functions are working safely before beginning handling operations, addressing any queries or faults
4. establish contact and agree the protocol for transferring the load with all others involved prior to beginning the operation
5. ensure all communications, by hand and radio, are in line with the protocol and correct procedures agreed
6. operate ships' gear efficiently and safely, and ensure that the ship's stability is maintained
7. monitor all activities and the whereabouts of individuals and other vessels within the vicinity of the operations, and take immediate and appropriate actions to address dangerous situations

Knowledge and understanding

You need to know and understand

1. the legal responsibilities for maintaining own and others' health and safety in your workplace
2. the requirements placed upon the individual and the organisation by current legislation, relevant to handling loads using lifting equipment
3. current industry guidance relevant to lifting equipment operations own organisation's policies, procedures and working practices relevant to operations using lifting equipment
5. the operating procedures, capabilities (including manoeuvring characteristics) and limitations of the types of lifting equipment within own area of responsibility
6. the pre-start maintenance requirements, including the correct procedure for checking lubricants and other fluids of lifting equipment within own area of responsibility
7. why it is important to report any faults and defects prior to commencing operations
8. the organisational procedures for reporting and documenting equipment faults, tests and checks
9. the implications of operating equipment that is unsafe or that has been serviced poorly
10. the types of load that may be lifted by each type of lifting equipment within own area of responsibility

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11. the factors that can affect the stability and security of loads when they are being transferred, and how these can be affected by environmental conditions
12. the methods of slinging and un-slinging loads, including angles of operations and what constitutes a safe working load
13. the capabilities, including capacity and strength of the principal types of slinging and lashing materials, and the implications of using defective or faulty materials
14. how to interpret organisation coding systems relating to lifting equipment, and how to interpret the information found on load labels and documentation
15. the signalling procedures and techniques used in the organisation
16. the speed limits specified for equipment operating within the port environment, the importance of operating within these limits, and of maximising the safety of pedestrians and other drivers
17. the limits of own responsibility and to whom to report if these are exceeded
18. the principal characteristics of the main types of cargo, and the associated **hazards**

Glossary

Hazard: something with potential to cause harm

Risk: a risk is the likelihood of the hazard's potential being realised