



# Learning Outcomes for N111 Hoist

| Learning Outcome   | Instructor Notes   |
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| <b>Have a basic understanding of the industry, the dangers of working in the industry and their responsibilities as a plant operator</b> | Explain the structure of the course and the need to comply with your instructions at all times • Explain that the industry is very dangerous and that only safe working practices will be adopted throughout the course • Personal safety is not just the absence of physical injury, can be affected by noise, vibration and can lead to lost time, lost income, expense for the employer etc • Explain Health & Safety at Work Act 1974, PUWER Regulations, LOLER Regulations and other relevant legislation • Remind learners that operators have moral obligations, legal obligations and environmental obligations • Explain reporting structures, the importance of good communication on site (colleagues, management, and other workers on site) |
| <b>Have a working knowledge of the manufacturer's handbook for the particular machine to be used</b>                                     | Explain the importance of the manufacturer's handbook and that it will be used throughout the course. Stress that it has to be used in alliance with all relevant legislation  |
| <b>Be able to locate and identify the major components of the machine and explain their functions</b>                                    | Explain the different types of components • Explain the function of the components and how they all contribute to the safety and operational integrity of the machine • Explain, different types, power units, lifting and lowering systems, platforms, stability, erection procedures, positioning, safety systems, applications etc  |
| <b>Be able to locate and identify the operating controls and explain their functions</b>   | Explain the different controls and their functions • Explain how correct and sympathetic use of the controls can ensure safety and stability of the machine and help prolong machine life by reducing wear and tear. Refer to the manufacturer's handbook, codes of practice, capacity plate, decals, method statements, etc   |
| <b>Conduct all pre-operational checks in accordance with manufacturer's and legislative requirements</b>                                 | Explain the importance of pre-operational checks and legal implications of using a machine without having checked it. Go through the sequence of checking. Use manufacturer's handbook, check sheet, defect reporting procedure etc  |
| <b>Ensure that hoist-way protection is in place prior to use</b>   | Explain the different types, specifications, access, visibility, procedures, and hazards   |
| <b>Check that all gates and safety devices function correctly, according to manufacturer's recommendations</b>                           | Explain:<br>Different types • Specifications • Functions • Access • Visibility • Hazards   |



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| Check the capacity of the hoist, loads and / or passengers                   | Explain:<br>Specifications • Safe working loads • Load charts • Decals etc  |
| Check emergency lowering devices for functionality                           | Explain:<br>The different types • Procedures to be adopted • Security of loads and / or passengers • Hazards, etc                                 |
| Check for overhead hazards and take all necessary precautions                | Explain the types of:<br>Overhead hazards • Minimum distances and clearances etc  |
| Load and unload materials into and out of the hoist safely                   | Explain and demonstrate procedures to be adopted including:<br>Types of load • Load sizes • Even weight distribution • Manual handling techniques |
| Prepare the hoist for goods and / or passengers                              | Explain:<br>Safe working load • Loading sequence • Access and egress • Passenger / load security • Weight distribution • Destinations etc         |
| Operate the hoist to the full range of its capabilities, loaded and unloaded | Explain and demonstrate the following:<br>Controls • Visibility • Hazards • Observation • Signalling • Emergency procedures                       |
| Comply with signals  | Explain the following:<br>Types of signals • How to respond to signals or instructions • Methods of signalling                                    |
| Carry out all end of shift and shut down procedures                          | Explain and demonstrate procedures to be adopted including:<br>Safe parking • Shut down procedures and machine security                           |

***\*The learning outcomes listed should not be considered in isolation and may be added to in order to accurately reflect the learner's duties and working environment***