Learning Outcomes for N010
Telescopic Handler

Learning Outcome	Instructor Notes
Have a basic understanding of the industry, the dangers of working in the industry and their responsibilities as a plant operator	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, Restraining systems in accordance with risk assessment, PUWER Regulations, LOLER Regulations, Avoiding danger from overhead powerlines GS6 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)
Have a working knowledge of the manufacturer's handbook for the particular machine to be used	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
Be able to locate and identify the major components of the machine and explain their functions	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, power units, hydraulic systems, counterweight, stability, wheels / tyres, mast, carriage, fork arms / attachments, safety systems etc
Be able to locate and identify steering, driving and braking controls and explain their functions	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
Conduct all pre-operational checks in accordance with manufacturer's and legislative requirements	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
Safely mount and dismount the machine	Explain the following fully: Correct mounting procedure, observations, use of safe hand holds • Correct dismounting procedure, observations, use of safe hand holds
Start and stop the engine and safely move the machine off and stop it safely	Explain and demonstrate the following: Correct starting and stopping procedure in accordance with manufacturer's recommendations • Correct procedure for moving off and stopping

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Configure the machine for travel and manoeuvre it safely laden and unladen, over varying terrain, rough ground, inclines, in open and confined areas	Explain and demonstrate the following fully: Safe use of steering, driving and braking controls, travel / park position • Gear ratios • Good visibility and observations • Execute turns left and right • Lateral stability issues when cornering • Steering configurations – 2-wheel steer, 4-wheel steer, crab steer
Conduct all necessary safety checks at the work area	Explain and demonstrate the following fully: Ground conditions – stability issues • Hazards – overhead hazards, power lines etc • Condition of loads – load centres, centre of gravity, bulk stacking etc • Weight of loads – capacity plate, RCI • Condition of racking – SEMA code, Loading tower
Manoeuvre the machine to the work area and correctly configure in readiness to carry out lifting and load handling tasks	Explain and demonstrate all safety procedures to be adopted including: Observations to be made prior to and during manoeuvring machine • Correct machine configuration • Check ground condition • Work specification – loads to be lifted or transferred • Correct fork spacing to equally support loads • Use of stabilisers if fitted
Carry out lifting and load handling tasks	Explain and demonstrate procedures to be adopted including: Correct use of hydraulic controls • Correct use of tilt • Correct stacking procedures • Legislation, ACOP, HSE Guidance, Manufacturer's handbook • Smooth use of hydraulics at height – stability
Lift and transfer loads accurately and safely at different locations	Explain and demonstrate procedures to be adopted including: Clear visibility • Communication system – signals etc • Accurate positioning of machine • Maintaining safety and stability of machine during operations • Safe positioning of loads
Load and unload external transport safely	Explain and demonstrate the following: Different types of vehicle / trailer • Vehicle capacities • Weight distribution • Communication with vehicle driver • Undercutting • Hazards – ground hazards, overhead hazards
Fit, adjust and or remove attachments	Explain the following: Fork arm adjustment to take equal weight • Extension forks • Load centres • Various other attachments if applicable • De-rating – capacity plate, manufacturer's handbook
Demonstrate knowledge and understanding of loading and unloading procedures for machine transportation	Explain procedures to be adopted including: Different types of transport vehicle • Positioning of load on vehicle • Load security • Use of Banksman • Environmental conditions
Carry out all end of shift and shut down procedures	Explain and demonstrate procedures to be adopted including: 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