

# LANTw47

## Operate grapple loader



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### Overview

This standard is about operating a grapple loader, to select produce, load and unload the forwarder, including grading, separating and stacking produce for subsequent handling or processing

This is applicable for loading and unloading with a swing boom grapple in a timber yard or landing

Your work must conform to all current legislation and codes of practice

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### Performance criteria

*You must be able to:*

- P1 assess the risks associated with the site and the proposed works
- P2 select and implement appropriate working method in accordance with the assessed risks
- P3 select, prepare and use tools and equipment that are appropriate to the work, safely and effectively
- P4 maintain the security of machinery and equipment on site
- P5 select, prepare and maintain access and egress routes in a serviceable condition
- P6 carry out routine operator maintenance, pre-start checks and setting of the machine for use
- P7 drive and manoeuvre the machine in a safe and effective way within site restraints
- P8 ensure that damage to the worksite, any remaining standing trees, tracks, roads, drains and the wider environment is kept within specified limits
- P9 identify the timber to load and position machine to operate loader
- P10 select logs of size and weight compatible with the boom and grapple capacity
- P11 use the loader safely, effectively and efficiently to lift, manoeuvre and load timber or other products as applicable
- P12 use the loader to flush the wood products as appropriate
- P13 limit use of grapple to avoid damage to product, as applicable, when loading and unloading
- P14 unload the machine safely, effectively and efficiently onto segregated stacks
- P15 grade, separate and accumulate products to facilitate subsequent handling, processing or uplift for onward dispatch
- P16 meet relevant legislative, organisational and environmental requirements relevant to operating the machine
- P17 maintain the health and safety of yourself and others at all times in accordance with current legislation

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### Knowledge and understanding

*You need to know and understand:*

- K1 how to identify hazards and assess risks
- K2 how to interpret risk assessments
- K3 emergency planning and procedures for the site
- K4 current guidelines on machinery operation, risk zones, working at height and safety clearances from overhead electricity conductors
- K5 what to do in the event of contact with power lines
- K6 the need for and benefits of carrying out routine operator checks and basic maintenance in line with manufacturer's recommendations
- K7 the implications of terrain, ground conditions, season, weather type of timber and species to operating a loader
- K8 the capabilities and limitations of the loader when loading, in relation to maximum safe working load
- K9 slope limitations on the loading and unloading operations
- K10 the methods of loading and unloading long logs, poles or tree lengths
- K11 the lifting and reach capabilities and height limitations of the machinery used when unloading
- K12 how to maintain the stability of the machine during unloading and driving
- K13 how to segregate and grade produce to meet required specification when unloading
- K14 safe stacking heights, stability of stacks and signing requirements
- K15 the use of bearers when unloading
- K16 the potential impacts of your work on the environment and how these can be minimised
- K17 your responsibilities under current environmental, health and safety legislation and codes of practice

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**Developed by** Lantra

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**Status** Original

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**Originating organisation** Lantra

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**Relevant occupations** Arboriculture and forestry; Chainsaw and forest machine operators

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**Suite** Treework

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