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| <b>Title</b> | <b>Operate a forklift loader in a forest or a log yard</b> |                |          |
| <b>Level</b> | <b>4</b>   | <b>Credits</b> | <b>5</b> |

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| <b>Purpose</b> | People credited with this unit standard are able to: demonstrate knowledge of forklift loaders and their capabilities and limitations; conduct pre-start and maintenance checks prior to operating a forklift loader; start up a forklift loader; demonstrate knowledge of hazards and risks specific to operating a forklift loader and operate a forklift loader; and shut down a forklift loader. |
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| <b>Classification</b> | Forestry > Machine Operations - Forestry |
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| <b>Available grade</b> | Achieved |
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### Guidance Information

- 1 Legislation relevant to this unit standard includes the: Health and Safety at Work (HSW) Act 2015, Resource Management Act 1991; the Resource Management (National Environmental Standards for Plantation Forestry) Amendment Regulations 2018; and the Heritage New Zealand Pouhere Taonga Act 2014, and any subsequent amendments.
- 2 References  
New Zealand Forest Owners Association, *Forest Practice Guides* (2019), and any subsequent amendments, available from <http://www.nzfoa.org.nz>.  
*Approved Code of Practice (ACOP) for Safety and Health in Forestry Operations*, December 2012, available from <http://www.worksafe.govt.nz>.
- 3 Definitions  
*Accepted industry practice* refers to approved codes of practice and standardised procedures accepted by the wider forestry industry as examples of best practice.  
*PPE* refers to personal protective equipment and may include but is not limited to high-visibility, protective clothing, gloves, face and eye protection, safety helmet, footwear, hearing protection, and safety devices.  
*Worksite procedures* refer to documented procedures used by the organisation carrying out the work and applicable to the tasks being carried out. They may include but are not limited to – standard operating procedures, site safety procedures, equipment operating procedures, quality assurance procedures, housekeeping standards, procedures to comply with legislative and local body requirements.
- 4 Assessment information  
This unit standard must be assessed on-job and the operator must meet the production requirements of the operation.

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## Outcomes and performance criteria

### Outcome 1

Demonstrate knowledge of forklifts and their capabilities and limitations.

#### Performance criteria

- 1.1 Factors that influence the locations and conditions where forklifts can be operated are explained in accordance with accepted industry practice and manufacturer's recommendations.
- 1.2 The capabilities and limitations of forklifts are described in accordance with the manufacturer's recommendations and worksite procedures.
- Range ground conditions, load size.
- 1.3 The operation of forklift is explained in accordance with accepted industry practice.
- Range protective structures, seat belts, night work, guarding, operating on slopes, emergency exits.

### Outcome 2

Conduct pre-start and maintenance checks prior to operating a forklift.

#### Performance criteria

- 2.1 PPE is worn in accordance with accepted industry practice.
- 2.2 Pre-start checks are performed in accordance with the manufacturer's recommendations and worksite procedures.
- Range may include but is not limited to – fluid levels, operator protection structures, boom and fork condition, means of communication, machine guarding, safety features, hydraulic hose condition, fire suppression, equipment in operator cab, operator visibility, debris in engine compartment; evidence of ten is required.
- 2.3 Access and egress methods are demonstrated in accordance with accepted industry practice.
- Range facing machine, three-point contact, step and grab rail condition.
- 2.4 Means of communication is checked for service, channel selection and preparedness for use in accordance with worksite procedures.
- 2.5 Daily maintenance of the forklift is performed in accordance with the manufacturer's instructions and worksite procedures.

### Outcome 3

Start up a forklift loader.

#### Performance criteria

- 3.1 Machine warning indicators are explained, and rectifying action described, in accordance with the manufacturer's recommendations.
- Range includes – high oil or water temperature, low oil levels, low engine oil pressure, air pressure, oil filter replacement.
- 3.2 The loader is started and warmed up in accordance with the manufacturer's recommendations.
- 3.3 Warning indicators are checked, and corrective action is taken when necessary in accordance with manufacturers recommendations.

### Outcome 4

Demonstrate knowledge of hazards and risks specific to operating a forklift loader and operate a forklift loader.

#### Performance criteria

- 4.1 The hazards and risks specific to operating forklift loaders are described and ways to control them are explained in accordance with accepted industry practice.
- Range ground conditions, soil moisture, obstacles on the ground, debris, excessive speed, machine instability, machine suitability and state of repair, proximity of other workers, restricted visibility.
- 4.2 The reason for on-going hazard and risk identification is explained in accordance with accepted industry practice.
- 4.3 Factors that may change hazards or introduce new hazards or risks are described in accordance with accepted industry practice.
- Range weather, change in landing or log yard layout.
- 4.4 The loader is operated within its limitations and operator capabilities, in accordance with the manufacturers recommendations and accepted industry practice.
- Range machine manoeuvring, boom and fork control, log handling, travel speeds.

### Outcome 5

Shut down a forklift loader.

## Performance criteria

5.1 The loader is parked in accordance with worksite procedures and manufacturer's recommendations.

Range level ground, brakes applied, clear of debris, attachments lowered to the ground.

5.2 The loader is shut down in accordance with the manufacturer's recommendations.

Range may include but is not limited to – hydraulic lock engaged, engine idled down, turbo timer used.

5.3 Post-operational checks are carried out on the loader in accordance with the manufacturer's recommendations and worksite procedures.

Range may include but is not limited to – wear on components, damage to components, hydraulic leaks, structural damage, hydraulic fluid level, tyre condition; evidence of six is required.

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| <b>Planned review date</b> | 31 December 2028 |
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### Status information and last date for assessment for superseded versions

| Process      | Version | Date              | Last Date for Assessment |
|--------------|---------|-------------------|--------------------------|
| Registration | 1       | 8 November 1996   | 31 December 2012         |
| Revision     | 2       | 19 June 1998      | 31 December 2012         |
| Review       | 3       | 5 December 2000   | 31 December 2012         |
| Review       | 4       | 22 May 2008       | 31 December 2013         |
| Revision     | 5       | 15 September 2011 | 31 December 2016         |
| Review       | 6       | 19 March 2015     | N/A                      |
| Review       | 7       | 25 June 2020      | N/A                      |
| Rollover     | 8       | 26 April 2024     | N/A                      |

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| <b>Consent and Moderation Requirements (CMR) reference</b> | 0173 |
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

### Comments on this unit standard

Please contact Muka Tangata - People, Food and Fibre Workforce Development Council [qualifications@mukatangata.nz](mailto:qualifications@mukatangata.nz) if you wish to suggest changes to the content of this unit standard.