



**Australian Government**

# **CPCCE3023A Operate skid steer loaders at ground level on demolition sites**

**Release 1**

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## **Modification History**

New unit.

This version first released with CPC08 Construction, Plumbing and Services Training Package Version 9.

## **Unit Descriptor**

This unit of competency specifies the outcomes required to operate a skid steer loader at ground level in the demolition industry. It includes planning and preparing; conducting machine pre-operational checks; preparing a site for the demolition process; removing demolition debris; selecting, removing and fitting loader attachments; removing demolition materials and waste; relocating skid steer loaders; and carrying out machine operator maintenance.

## **Application of the Unit**

This unit of competency supports the role of demolition workers who demolish residential, commercial and industrial buildings and structures.

## **Licensing/Regulatory Information**

Licensing, legislative, regulatory or certification requirements apply to demolition work in different States and Territories. Candidates are advised to consult with the relevant regulatory authorities.

## **Pre-Requisites**

Nil

## **Employability Skills Information**

This unit contains employability skills.

## Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.

Performance criteria describe the required performance needed to demonstrate achievement of the element. Where ***bold italicised*** text is used, further information is detailed in the required skills and knowledge and/or the range statement. Assessment of performance is to be consistent with the evidence guide.

## Elements and Performance Criteria

- |   |                                    |     |   |
|---|------------------------------------|-----|---|
| 1 | Plan and prepare.                  | 1.1 | <b><i>Compliance requirements</i></b> relevant to skid steer loader operations are accessed, interpreted and applied.   |
|   |                                    | 1.2 | Work instructions are obtained from relevant <b><i>information</i></b> , confirmed with team members and other relevant personnel, and applied to planning and preparation. |
|   |                                    | 1.3 | <b><i>Work health and safety (WHS) requirements</i></b> are identified and applied to task planning according to safety plans and policies.                                 |
|   |                                    | 1.4 | <b><i>Environmental requirements</i></b> are identified for the project according to environmental plans and regulatory obligations.  |
|   |                                    | 1.5 | Maintenance tools and equipment are checked for serviceability, and faults are reported or rectified.   |
|   |                                    | 1.6 | Skid steer loader pre-start, start-up, park and shut-down operational checks are conducted according to manufacturer recommendations.                                       |
|   |                                    | 1.7 | Skid steer loader controls and functions are checked for serviceability, and faults are rectified and reported.   |
| 2 | Select, check and fit attachments. | 2.1 | Skid steer loader <b><i>attachments</i></b> are selected to carry out tasks, consistent with job requirements.  |
|   |                                    | 2.2 | Attachments and connections are checked for excessive wear, and replaced and reported as required.  |
|   |                                    | 2.3 | Attachments are securely fitted according to safe work  |

- method, and safety pins or clips are fitted according to manufacturer specifications and workplace requirements.
- 2.4 Hydraulic components are **checked** and faults are rectified or components replaced, and reported.
- 2.5 Operation of hydraulic system is tested before applying load according to manufacturer specifications and workplace requirements.
- 2.6 Attachment operation is tested by raising and lowering attachment and attachment is locked in raised position for travel according to manufacturer specifications and workplace requirements.
- 2.7 Attachments are removed, cleaned and stored according to manufacturer specifications and workplace requirements.
- 3 Prepare demolition site.
- 3.1 Requirements of site demolition plan are determined and discussed with team members according to workplace procedures.
- 3.2 **Site inspection** is conducted to determine condition of work site and surrounds before work begins, and safe work method statement is amended and approved as required.
- 3.3 Confirmation is obtained from supervisor and regulatory authorities that all existing above and below ground services have been disconnected.
- 3.4 Hazardous material is identified for separate handling according to workplace requirements and instructions.
- 3.5 Mechanical equipment and plant are positioned in operating locations and appropriate exclusion zone and traffic control are arranged.
- 4 Operate skid steer loader for demolition process.
- 4.1 Skid steer loader general operating techniques are identified and applied to achieve optimum output according to manufacturer design specifications, while achieving specified tolerances.
- 4.2 Site hazards associated with skid steer loader demolition operations are identified and **safe operating techniques**

- are followed to minimise risks.
- 4.3 Skid steer loader is moved safely between work locations, observing relevant codes and traffic management requirements.
  - 4.4 Control measures are implemented to manage *hazards arising from demolition process* according to the demolition plan, safe work methods and regulatory requirements.
  - 4.5 *Demolition tasks* are assessed immediately prior to starting and safe work method statement is reviewed to incorporate management of previously undiscovered hazards.
  - 4.6 Skid steer loader is operated at ground level to remove demolition debris using suitable attachments according to approved demolition plan and current safe work method.
  - 4.7 *Communication* is maintained with team members, during the demolition process.
  - 4.8 Work site conditions and progress are monitored in consultation with team members and work is stopped or techniques adjusted as required, according to workplace requirements.
- 5 Carry out machine operator inspection and maintenance tasks.
    - 5.1 Skid steer loader is safely parked and shut down, and attachments are removed.
    - 5.2 Skid steer loader is inspected for faults and defective parts are removed and replaced according to manufacturer specifications and workplace requirements.
    - 5.3 Regular programmed *operator maintenance tasks* are conducted according to manufacturer specifications and workplace requirements.
  - 6 Clean up.
    - 6.1 Work area is cleared and materials and waste are sorted and located for removal, as required, according to site demolition project environmental management plan.
    - 6.2 Maintenance tools and equipment are cleaned, checked,

maintained and stored.

## Required Skills and Knowledge

This section describes the skills and knowledge required for this unit.

### Required skills

- learning skills to:
  - recognise signs indicating undiscovered hazards on a demolition site, for example presence of termites
  - respond to change, such as differences in current work site environmental and sustainability requirements
- numeracy skills to:
  - check levels of lubricants in equipment
  - estimate weight of volumes of demolition debris
  - perform measurements and calculations associated with work, such as when determining load capacity of equipment
- oral communication skills to:
  - enable clear and direct communication, using questioning to identify and confirm requirements, and share information
  - report hazards on the work site, including faults in tools, equipment and materials
  - use language and concepts appropriate to cultural differences
- reading skills to:
  - interpret documentation relating to work requirements, including:
    - drawings and specifications
    - job safety analyses (JSA)
    - safe work method statements (SWMS)
    - safety data sheets (SDS)
  - understand written instructions, procedures and signage
- writing skills to complete pre-operational checklists and equipment fault forms

### Required knowledge

- general construction terminology
- hazards associated with the operation of skid steer loaders from ground level on residential, commercial and industrial demolition sites
- methods for materials storage and disposal, including environmentally friendly waste management
- method of operation, and maintenance requirements, of skid steer loader and attachments
- types, characteristics, uses and limitations of skid steer loaders in the demolition industry
- workplace and equipment safety requirements





## Evidence Guide

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.

**Overview of assessment** This unit of competency could be assessed by observation of on-site operation of a skid steer loader and the use of different attachments to complete demolition tasks on large and complex buildings, working as part of a team.

**Critical aspects for assessment and evidence required to demonstrate competency in this unit**

A person should demonstrate the ability to operate a skid steer loader from ground level to complete the following demolition tasks at a minimum of two different work sites:

- lifting and transfer of demolition rubble
- sorting materials
- loading trucks
- demolition of minor non-structural elements
- including:
  - knowledge of the requirements, procedures and instructions for conducting demolition skid steer loader operations
  - implementation of requirements, procedures and techniques for the safe, effective and efficient completion of demolition skid steer loader operations, including:
    - working with others to undertake and complete demolition skid steer loader operations that meet all of the required outcomes
    - consistent timely completion of demolition skid steer loader operations that safely, effectively and efficiently meet the required outcomes.

**Context of and specific resources for assessment**

Assessment of this unit:

- must be in the context of the work environment
- must meet relevant compliance requirements.

Resource implications for assessment include:

- an induction procedure
- realistic tasks covering the mandatory task requirements
- relevant specifications and work instructions
- plant, tools and equipment as listed appropriate to applying safe work practices
- support materials appropriate to activity
- workplace instructions relating to safe work practices and addressing hazards and emergencies
- information relevant to each task, such as safety data sheets,

work plans and approved specifications, forms and procedures manuals.

### Method of assessment

Assessment for this unit must verify the practical application of the required skills and knowledge, using a combination of the following methods:

- direct observation of tasks
- questioning to confirm the ability to consistently identify and correctly interpret the essential underpinning knowledge required for practical application
- review of relevant authenticated documentation from third parties, such as existing supervisors, team leaders or specialist training staff.

### Guidance information for assessment

This unit could be assessed on its own or in combination with other units relevant to the job function.

Reasonable adjustments for people with disabilities must be made to assessment processes where required. This could include access to modified equipment and other physical resources, and the provision of appropriate assessment support.

Assessment processes and techniques should, as far as is practical, take into account the language, literacy and numeracy capacity of the candidate in relation to the competency being assessed.

## Range Statement

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. ***Bold italicised*** wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.

***Compliance requirements*** may include:

- Australian standards relevant to plant operation
- codes of practice for plant operation
- legislative and regulatory requirements for plant operation
- manufacturer guidelines and specifications
- organisational requirements and procedures
- requirements of Employment and Workplace Relations legislation
- requirements of Equal Employment Opportunity and Disability Discrimination legislation
- site requirements.

***Information*** regarding

- advice and guidelines relating to regulatory and legislative

work task instructions may include:

- requirements for mechanical demolition processes
- approved demolition plan
- current Australian standards relating to operating skid steer loaders
- diagrams or sketches
- instructions issued by authorised organisational or external personnel
- memos
- safe work procedures relating to the conduct of mechanical demolition processes
- safety data sheets
- site signage
- site traffic management plan
- verbal, written and graphical instructions, including manufacturer specifications and instructions where specified
- work bulletins
- work schedules, plans and specifications.
- emergency procedures, including extinguishing fires, organisational first aid requirements, and evacuation procedures
- handling activities that may require the assistance of others or the use of manual or mechanical lifting devices where size, weight or other issues, such as a disability are a factor
- hazard control
- hazardous materials and substances, including asbestos, lead-based paints, dust, pesticide residue, animal residue and the safe handling or quarantining procedures for each
- personal protective equipment (PPE) prescribed under legislation, regulations and workplace policies and practices
- safe operating procedures, including operational risk assessment and treatments associated with:
  - falling objects
  - lighting
  - plant movement
  - power cables, including overhead service trays, cables and conduits
  - restricted access barriers
  - surrounding structures
  - traffic control
  - trip hazards
  - work site visitors and the public
  - working at heights
  - working in confined spaces

***Work health and safety requirements*** must comply with state or territory legislation and project safety plan may include:

- working in proximity to others
  - traffic management, barriers and signage
  - use of tools and equipment
  - workplace environmental requirements.
  - clean-up management
  - dust and noise control
  - sedimentation control
  - vibration management
  - waste management.
- Environmental requirements*** may include:
- Attachments*** may include:
- Checks*** must include for:
- buckets
  - hammers.
- Site inspection*** may include:
- bulges
  - fractures
  - leaks
  - splits.
  - assessing condition of property and surrounds
  - communicating with those who may be affected by the demolition task
  - erecting scaffolding for exclusion zones, if applicable
  - identifying hazardous materials
  - identifying position of hoses and cables clear of hazards
  - installing supports and bracing
  - location of signage and barricades
  - providing for site safety.
  - emergency shut-down and stopping
  - management of hazards and risks, including:
    - buildings
    - cuttings
    - embankments
    - excavations
    - fires
    - hazardous materials
    - overhead and underground services
    - structures
    - traffic
    - trees
    - uneven or unstable terrain
  - safe parking practices, ensuring:
    - access ways are clear
    - equipment or machinery is:
- Safe operating techniques*** for skid steer loaders may include:

- located a safe distance from excavations
- located away from overhangs and refuelling sites
- secured from unauthorised access or movement.

**Hazards arising from demolition process** may include:

- dust
- fire
- fumes
- noise
- vibration.

**Demolition tasks** that may be completed using a skid steer loader and attachments include:

- lifting and transfer of demolition rubble
- sorting materials
- loading trucks
- minor non-structural demolition.

**Communication** may include the use of:

- hand signals
- mobile equipment
- radios.

**Operator maintenance tasks:**

- must include:
  - cleaning
  - authorised servicing
  - monitoring, recording and reporting faults
- may include:
  - authorised minor replacements
  - assisting maintenance personnel during maintenance and repair activities.

## Unit Sector(s)

Demolition

## Custom Content Section

Not applicable.