

# Demolition Operations - Skid Steer Tool Carrier - D92

## Learning for CPCS



### Outcomes

Through a combination of targeted training and experience, an individual with the skid steer tool carrier on demolition operations will be able to:

<b>Roles and responsibilities</b>	<ul style="list-style-type: none"> <li>Describe the nature of the sector of industry and their role and responsibilities as a plant operator</li> </ul>
<b>Preparing for work</b>	<ul style="list-style-type: none"> <li>Name and explain the purpose of principal components, the basic construction, controls and terminology</li> <li>Conform with manufacturer's requirements as per the operator's manual, other types of information source and relevant regulations and legislation</li> <li>Undertake all pre-use checks</li> <li>Employ relevant PPE and RPE equipment</li> <li>Explain the procedures relating to and dealing with asbestos</li> </ul>
<b>Travelling and manoeuvring</b>	<ul style="list-style-type: none"> <li>Configure and set for travel</li> <li>Travel over rough, undulating ground, substantial inclines and level surfaces, laden and un-laden</li> <li>Manoeuvre in confined areas</li> </ul>
<b>Setting up for work</b>	<ul style="list-style-type: none"> <li>Configure and set for extracting, loading and (Endorsement B) demolishing duties</li> <li>Explain actions required for hazards, underground and overhead services</li> </ul>
<b>Working tasks</b>	<ul style="list-style-type: none"> <li>Segregate different types of materials and deposit into defined places and/or into receptacles</li> <li>Ensure the working area is safe, and supported where applicable</li> <li>Maintain edge protection</li> <li>Demolish internal finishes and building components (Endorsement B)</li> <li>Change attachments (Endorsement B)</li> <li>Explain procedures for working at height</li> <li>Explain the conditions for sufficient floor support</li> <li>Maintain machine stability and integrity</li> <li>Comply with method statements and working instructions</li> </ul>
<b>Shutting down</b>	<ul style="list-style-type: none"> <li>Carry out shut down and securing procedures</li> <li>Explain the requirements for carrying out post operational checks</li> <li>Explain the loading and unloading procedures for machine transporting</li> </ul>

# Demolition Operations - Skid Steer Tool Carrier - D92

## Learning for CPCS



AN NOCN JOB CARD

### Syllabus

Learning outcome	Training content	
<ul style="list-style-type: none"> <li>Describe the nature of the sector of industry and their role and responsibilities as a plant operator</li> </ul>	<ul style="list-style-type: none"> <li>Industry type</li> <li>Customer / client needs</li> <li>Sector contribution</li> <li>Role</li> <li>Reporting structures</li> <li>Lifelong skills</li> <li>Working practices</li> <li>Social responsibilities</li> </ul>	<ul style="list-style-type: none"> <li>Communication with colleagues / management / other trades</li> <li>Health and Safety at Work etc. Act</li> <li>Environmental issues</li> <li>Other trades</li> </ul>
<ul style="list-style-type: none"> <li>Name and explain the purpose of principal components, the basic construction, controls and terminology</li> </ul>	<ul style="list-style-type: none"> <li>Differing types</li> <li>Function / applications</li> <li>Power units</li> <li>Hydraulic systems</li> <li>Chassis / steering / brakes</li> </ul>	<ul style="list-style-type: none"> <li>Stability / ground pressure</li> <li>Buckets</li> <li>Attachments</li> <li>Safety systems</li> <li>ROPS / FOPS</li> <li>Transmissions</li> </ul>
<ul style="list-style-type: none"> <li>Conform with manufacturer's requirements as per the operator's manual, other types of information source and relevant regulations and legislation</li> </ul>	<ul style="list-style-type: none"> <li>Operator's manual</li> <li>Machine decals</li> <li>Health and Safety at Work etc. Act</li> <li>PPE</li> <li>Codes of Practice</li> <li>Site plans / drawings</li> </ul>	<ul style="list-style-type: none"> <li>Method statements</li> <li>Risk assessments / COSHH</li> <li>Inspection and reporting forms / procedures</li> </ul>
<ul style="list-style-type: none"> <li>Undertake all pre-use checks</li> </ul>	<ul style="list-style-type: none"> <li>Regular and non-scheduled maintenance procedures</li> </ul>	<ul style="list-style-type: none"> <li>Sequence of pre-use checks</li> <li>Defect reporting</li> </ul>
<ul style="list-style-type: none"> <li>Employ relevant RPE and PPE</li> </ul>	<ul style="list-style-type: none"> <li>Risk assessments / method statements / COSHH</li> <li>Hierarchy of control</li> <li>Types of PPE / RPE</li> </ul>	<ul style="list-style-type: none"> <li>Work zone requirements</li> <li>Dusts and fumes</li> <li>Falling / flying objects</li> <li>Noise levels</li> </ul>
<ul style="list-style-type: none"> <li>Explain the procedures relating to dealing with asbestos</li> </ul>	<ul style="list-style-type: none"> <li>Asbestos types</li> <li>Typical locations</li> <li>Identification, surveying and labelling</li> <li>Regulation requirements and licensing</li> <li>Monitoring and control measures</li> </ul>	<ul style="list-style-type: none"> <li>PPE / RPE</li> <li>Health effects and surveillance</li> <li>Removal and disposal procedures</li> <li>Restricted areas</li> </ul>

# Demolition Operations - Skid Steer Tool Carrier - D92

## Learning for CPCS



AN NOCN JOB CARD

### Syllabus (continued)

Learning outcome	Training content	
<ul style="list-style-type: none"> <li>• Configure and set for site travel</li> </ul>	<ul style="list-style-type: none"> <li>• Travel controls</li> <li>• Attachments / accessories</li> <li>• Travel position</li> </ul>	<ul style="list-style-type: none"> <li>• Site travel</li> <li>• Visibility</li> <li>• Road travel / Road Traffic Act</li> </ul>
<ul style="list-style-type: none"> <li>• Travel over rough undulating ground, substantial inclines and level surfaces, laden and un-laden</li> </ul>	<ul style="list-style-type: none"> <li>• Travel routes</li> <li>• Slope / inclines</li> <li>• Direction of travel</li> <li>• Traction / aids</li> <li>• Ground conditions</li> <li>• Hazards</li> </ul>	<ul style="list-style-type: none"> <li>• Working area</li> <li>• Restarting on inclines</li> <li>• Load integrity</li> <li>• Environment protection / minimise damage</li> </ul>
<ul style="list-style-type: none"> <li>• Manoeuvre in confined spaces</li> </ul>	<ul style="list-style-type: none"> <li>• Visibility</li> <li>• Limitations of vision</li> <li>• Protection of ground/tight turns</li> </ul>	<ul style="list-style-type: none"> <li>• Environmental / noise / fumes</li> <li>• Height restrictions</li> </ul>
<ul style="list-style-type: none"> <li>• Configure and set for extraction, demolishing and loading duties</li> </ul>	<ul style="list-style-type: none"> <li>• Type of materials and / or structure</li> <li>• Machine type for work</li> <li>• Required specification</li> <li>• Attachment size / type</li> </ul>	<ul style="list-style-type: none"> <li>• Machine positioning</li> <li>• Receptacle types and positioning</li> <li>• Working area</li> </ul>
<ul style="list-style-type: none"> <li>• Explain actions required for hazards, underground and overhead services</li> </ul>	<ul style="list-style-type: none"> <li>• Types of typical services</li> <li>• Warning / identification systems</li> </ul>	<ul style="list-style-type: none"> <li>• Reporting procedures for damage to services</li> <li>• Minimum distances and clearances</li> </ul>
<ul style="list-style-type: none"> <li>• Segregate differing types of materials and deposit into defined places and/or into receptacles</li> </ul>	<ul style="list-style-type: none"> <li>• Types of materials</li> <li>• Machine positioning</li> <li>• Signals / communication</li> <li>• Material densities</li> <li>• Angles of repose / stockpile stability</li> </ul>	<ul style="list-style-type: none"> <li>• Receptacle stability and compatibility</li> <li>• Minimum overspill</li> <li>• Cleaning loading area</li> <li>• Productive cycles of operation</li> <li>• Stability</li> </ul>
<ul style="list-style-type: none"> <li>• Ensure the working area is safe, and supported where applicable</li> </ul>	<ul style="list-style-type: none"> <li>• Type of structure</li> <li>• Risk Assessments</li> <li>• Proximity hazards</li> <li>• Other trades / workers</li> <li>• Visibility</li> <li>• Work zone requirements</li> <li>• Dusts and fumes</li> </ul>	<ul style="list-style-type: none"> <li>• Falling / flying objects</li> <li>• Noise levels</li> <li>• Floor loadings</li> <li>• Manoeuvring room</li> <li>• Barriers / signage</li> <li>• Exclusion equipment / Access of personnel</li> </ul>

# Demolition Operations - Skid Steer Tool Carrier - D92

## Learning for CPCS



AN NOCN JOB CARD

### Syllabus (continued)

Learning outcome	Training content	
<ul style="list-style-type: none"> <li>Maintain edge protection</li> </ul>	<ul style="list-style-type: none"> <li>Types of openings for depositing materials</li> <li>Structure types</li> <li>Visibility</li> <li>Procedures</li> </ul>	<ul style="list-style-type: none"> <li>Minimum distances</li> <li>Markers / warning systems</li> <li>Wheel stops</li> <li>Edge guarding / hand rails</li> </ul>
<ul style="list-style-type: none"> <li>Demolish internal finishes and building components</li> </ul>	<ul style="list-style-type: none"> <li>Types of buildings / structures</li> <li>Material composition / types</li> <li>Machine positioning</li> <li>Visibility</li> <li>Configuration / attachments</li> <li>Exclusion and drops zones</li> </ul>	<ul style="list-style-type: none"> <li>Dust suppression</li> <li>Material containment</li> <li>Demolishing procedures</li> <li>Ground / slab / floor bearing pressure</li> <li>Attachment operating angles</li> <li>Attachment / hose protection</li> <li>Power cable protection (for other plant)</li> </ul>
<ul style="list-style-type: none"> <li>Change attachments</li> </ul>	<ul style="list-style-type: none"> <li>Preparation</li> <li>Types of attachments</li> <li>Security</li> <li>Quick-hitch systems</li> <li>Additional hydraulics systems</li> </ul>	<ul style="list-style-type: none"> <li>Codes of Practice / Industry best practice</li> <li>Manufacturer's procedures</li> <li>Manual handling</li> <li>Positioning</li> </ul>
<ul style="list-style-type: none"> <li>Explain issues and procedures for edge protection</li> </ul>	<ul style="list-style-type: none"> <li>Working heights</li> <li>Risk assessments</li> <li>Types of edge protection</li> </ul>	<ul style="list-style-type: none"> <li>Guarding / barriers</li> <li>Signage</li> <li>Sufficiency of the edge protection for the machine</li> </ul>
<ul style="list-style-type: none"> <li>Explain procedures for working at height</li> </ul>	<ul style="list-style-type: none"> <li>Regulations and definition</li> <li>Fragile surfaces and falling objects</li> <li>Prevention methods</li> <li>Retrieval procedures</li> </ul>	<ul style="list-style-type: none"> <li>Personal fall prevention and arrest equipment</li> <li>Guarding / barriers</li> <li>Signage</li> <li>Working platforms</li> <li>Access and egress</li> </ul>
<ul style="list-style-type: none"> <li>Explain the conditions for sufficient floor support</li> </ul>	<ul style="list-style-type: none"> <li>Types of buildings / structures</li> <li>Material composition / types</li> <li>Machine positioning</li> <li>Configuration / attachments</li> </ul>	<ul style="list-style-type: none"> <li>Ground / slab / floor bearing pressure</li> <li>Attachment operating angles</li> <li>Point loadings / stockpiles</li> <li>Materials and debris on travel routes</li> </ul>

# Demolition Operations - Skid Steer Tool Carrier - D92

## Learning for CPCS



### Syllabus (continued)

Learning outcome	Training content	
<ul style="list-style-type: none"> <li>Maintain machine stability and integrity</li> </ul>	<ul style="list-style-type: none"> <li>Centres of gravity</li> <li>Wheelbase and track</li> <li>Bucket/attachment positioning</li> <li>Inclines</li> </ul>	<ul style="list-style-type: none"> <li>Load weights</li> <li>Travel speeds (forward / reverse)</li> <li>Uneven terrain, obstacles</li> </ul>
<ul style="list-style-type: none"> <li>Comply with method statements and working instructions</li> </ul>	<ul style="list-style-type: none"> <li>Legislation and regulations</li> <li>Risk assessments</li> <li>Signalling systems</li> <li>Operator positioning during work</li> </ul>	<ul style="list-style-type: none"> <li>Format and content of method statements</li> <li>Extracting information from method statements</li> <li>Other types of communication</li> </ul>
<ul style="list-style-type: none"> <li>Carry out shut down and securing procedures</li> </ul>	<ul style="list-style-type: none"> <li>Shut down procedures</li> <li>Security</li> </ul>	<ul style="list-style-type: none"> <li>Parking and positioning</li> </ul>
<ul style="list-style-type: none"> <li>Explain the loading and unloading procedures for machine transporting</li> </ul>	<ul style="list-style-type: none"> <li>Compatibility</li> <li>Positioning</li> </ul>	<ul style="list-style-type: none"> <li>Security</li> <li>Types of transporter</li> </ul>

**Note:** The listed training content should not be considered exhaustive and subjects may be added to reflect the individuals' working environment.

# Demolition Operations - Skid Steer Tool Carrier - D92

## Learning for CPCS



### Safety critical

Emphasis to be placed on the following topics:

Topic	Emphasis
<ul style="list-style-type: none"> <li>• Visibility prior to and during reversing</li> </ul>	<ul style="list-style-type: none"> <li>• Constant and full visibility before and during manoeuvring and types of visibility aids and their limitations and weaknesses</li> </ul>
<ul style="list-style-type: none"> <li>• Stability of the machine</li> </ul>	<ul style="list-style-type: none"> <li>• Particularly relevant to wheeled types, short wheelbase and width combined with high centre of gravity with loaded buckets – buckets to be kept low at all times (except for working)</li> </ul>
<ul style="list-style-type: none"> <li>• Working in confined areas</li> </ul>	<ul style="list-style-type: none"> <li>• Movements of other plant, personnel and retained features</li> </ul>
<ul style="list-style-type: none"> <li>• Point loadings</li> </ul>	<ul style="list-style-type: none"> <li>• Recognition of point loading with other plant in the vicinity</li> </ul>
<ul style="list-style-type: none"> <li>• Edge Protection</li> </ul>	<ul style="list-style-type: none"> <li>• Suitable edge protection/stop blocks and other methods to prevent unintentional machine movement beyond a defined point</li> </ul>

**Note:** It is recommended that all candidates attend a suitable Asbestos awareness course that meets current control of asbestos regulations.

### Duration / Ratios

To allow effective learning, these training times are recommended for this category. Candidates must be profiled to establish learning needs. Durations should be of a length to ensure the learning outcomes are met.

Experience	Accumulated hours
<ul style="list-style-type: none"> <li>• Novice operators with no industry or machine experience</li> </ul>	50
<ul style="list-style-type: none"> <li>• Novice operators with industry experience but no machine experience</li> </ul>	35
<ul style="list-style-type: none"> <li>• Operators with unrelated (shovel) machine experience</li> </ul>	21
<ul style="list-style-type: none"> <li>• Operators with similar (shovel) machine experience</li> </ul>	14

All candidates must have received the equivalent to 7 hours of site safety and induction training

***To allow effective learning, the listed candidate / machine / instructor ratio is the maximum recommended for this category***

4 candidates : 2 machines: 1 instructor

# Demolition Operations - Skid Steer Tool Carrier - D92

## Learning for CPCS



### Resources

---

#### Practical equipment

- Skid steer loader that meets current legislation
- Operator's manual for the machine(s)
- Sufficient area of ground suitable for extracting and demolishing operations
- Structures for demolishing
- Slopes, stockpiles of materials
- Receptacles for loading into
- Suitable materials for preventing unintentional machine movement

#### PLUS

- Suitable PPE
- Risk assessment for all areas where training is occurring

#### Theory equipment

- PUWER 1998 Regulations
- Industry guidance notes
- HSE GS6
- Operator's manual
- Working at Height requirements
- Specifications for types of skid steer loaders
- National Federation of Demolition Contractors (NFDC) Guidance on Top-down demolition requirements

#### PLUS

- Suitable room for theory training purposes
- Welfare and rest facilities during training

### Category

---

#### Category description and types

---

CPCS defines a category as an item of plant or equipment used within the construction or allied industries and worked in accordance with the manufacturer's basic design. Although this category can have varying uses within industry and used with many attachments, for CPCS training and assessment standards, the descriptions reflect basic core use. This category has two endorsements.

To identify a machine within this category, a typical skid steer loader would normally have the listed features and be used within the described characteristics.

# Demolition Operations - Skid Steer Tool Carrier - D92

## Learning for CPCS



### Category (continued)

---

#### Category features

- Wheeled or tracked chassis containing a centrally mounted operating position, power, transmission, hydraulic and electrical units
- Front loader arms with a rotating and removable front loader bucket and/or suitable attachment for demolishing purposes, all hydraulically operated

#### Category characteristics

- Able to travel in forward and reverse and change direction during travel by track or wheel speed differential
- Can travel and operate on uneven and loose ground and slopes
- Carry out extraction duties in a linear motion using the front bucket within the confines of the operating depth and height
- Can place materials by manoeuvring the machine within the confines of the operating depth and height
- Can demolish parts of structures using fitted attachments by using both travel abilities and loader arm crowding features

### Endorsements

---

#### Endorsement characteristics

---

- **Endorsement A:** Extracting
- **Endorsement B:** Demolishing

Further clarification about Demolition Plant categories and endorsements may be found at [www.demolition-nfdc.com](http://www.demolition-nfdc.com) by contacting [info@demolition-nfdc.com](mailto:info@demolition-nfdc.com)