



Australian Government

TLID3033 Operate a vehicle-mounted loading crane

Release: 1

TLID3033 Operate a vehicle-mounted loading crane

Modification History

Release 1. This is the first release of this unit of competency in the TLI Transport and Logistics Training Package.

Application

This unit involves the skills and knowledge required to operate a vehicle-mounted loading crane to shift loads with a capacity of less than 10 metre tonnes.

It includes positioning and stabilising a vehicle-mounted crane, operating a vehicle-mounted crane, monitoring lift conditions, packing up a vehicle-mounted crane after operations, and completing all required job records.

Work must be carried out in accordance with the relevant state/territory authority licence/permit requirements and regulations pertaining to vehicle-mounted loading cranes.

Work is performed under general supervision. It involves the application of routine principles and procedures when operating a vehicle-mounted loading crane in a variety of operational contexts.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Not applicable.

Competency Field

Not applicable.

Unit Sector

Not applicable.

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

1 Position and stabilise vehicle-mounted

1.1 Crane is driven to position as specified in job plan to ensure safe operation in accordance with applicable Australian

- crane** standards, codes of practice, manufacturer specifications, and relevant regulatory and local government requirements
- 1.2 Barriers, fencing, temporary boundaries and signage are used as required to isolate working area in accordance with safe working practice and lift requirements
 - 1.3 Ground is checked to ensure it is firm enough to bear load to be taken
 - 1.4 Appropriate plates or packing are correctly used to adequately distribute load
 - 1.5 Outriggers and stabilisers are correctly deployed and positioned in accordance with manufacturer instructions, appropriate Australian standard and other relevant statutory regulations or local authority requirements
 - 1.6 Outrigger packing is checked for adequacy prior to and after load is taken
- 2 Operate vehicle-mounted crane**
- 2.1 Planned hazard control strategies are implemented
 - 2.2 Required signals are correctly given, interpreted and followed in accordance with appropriate Australian standards
 - 2.3 Load mass is assessed and correlated with crane lifting capacity throughout proposed radii of operation
 - 2.4 Appropriate lifting gear is selected and load is secured
 - 2.5 Load is hoisted and lowered into position using crane movements in accordance with appropriate Australian standard
 - 2.6 Crane controls are operated smoothly
 - 2.7 Crane is shut down and secured during periods of non-operation in accordance with manufacturer specifications and workplace procedures
- 3 Monitor lift conditions**
- 3.1 Load is constantly monitored to ensure load and structural stability
 - 3.2 Conditions that may affect continuing stability of crane are identified and monitored
 - 3.3 Unplanned situations are responded to in accordance with workplace procedures in a manner that minimises risk to personnel and equipment

- 3.4 Advice is sought from supervisor where there is doubt about correct response to unanticipated conditions or conflict with customer request
- 3.5 Supervisor/allocator is advised of concerns about completing job within timeframe
- 3.6 Shut-down procedures are implemented in an emergency in accordance with manufacturer instructions
- 3.7 Relevant motion locks and brakes are applied
- 3.8 Crane is shut down using correct sequence of procedures in accordance with manufacturer specifications and workplace procedures
- 3.9 Routine post-operational equipment checks are carried out in accordance with manufacturer specifications

4 Pack up vehicle-mounted crane

- 4.1 All lifting equipment and crane components are checked for any signs of deterioration or damage in accordance with the appropriate Australian standard
- 4.2 Damaged or worn equipment is segregated and reported to an authorised person for testing/repair/destruction
- 4.3 Crane equipment is correctly stowed and secured in accordance with manufacturer instructions and the appropriate Australian standard
- 4.4 Crane is immobilised and secured for travel in accordance with manufacturer instructions, workplace guidelines and regulatory requirements

5 Complete job records

- 5.1 Customer feedback is sought regarding satisfaction with completed job and areas of concern are reported in accordance with workplace procedures
- 5.2 Customer signature is obtained on job completion documentation
- 5.3 Required workplace records are updated accurately and promptly, and processed in accordance with workplace procedures

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Non-essential conditions can be found in the Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to TLID3033A Operate a vehicle-mounted loading crane.

Links

Companion Volume implementation guides are found in VETNet -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=df441c6e-213d-43e3-874c-0b3f7036d851>