



Australian Government

TLIB0029 Conduct daily inspections on mobile cranes

Release: 1

TLIB0029 Conduct daily inspections on mobile cranes

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 carry out daily inspections on a mobile crane, in compliance with licence/permit requirements, regulations and work requirements in a variety of operational contexts.

It includes planning daily inspections, preparing and conducting pre-start operations and safety checks, and completing workplace documentation entries.

This unit applies to daily inspections on mobile crane and is limited to lubrication, fluid, filter and accessory changing and checks for cracks, surface or structural faults or other damage.

Work is performed with limited or minimum supervision.

People achieving competence in this unit must hold the relevant high risk work licence prior to undertaking mobile crane operation, dogging or rigging work.

Work must be carried out in compliance with the relevant state/territory authority mobile crane operations licence/permit requirements and regulations, codes of practice, rules and/or guidelines.

Pre-requisite Unit

Not applicable.

Competency Field

B – Equipment Checking and Maintenance

Unit Sector

Mobile Crane.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to

outcomes.

demonstrate achievement of the element.

1	Plan daily inspection	1.1	Tags, logbooks and crane manufacturer information are read prior to commencing operation, and previously identified and manufacturer recommendations are confirmed
		1.2	Maintenance schedules are read and maintenance tasks are confirmed to match schedule
		1.3	Competent maintenance personnel are consulted to confirm step-by-step procedure is worked out to minimise time delays and to sequence maintenance processes consistent with manufacturer recommendations
2	Prepare for pre-start checks	2.1	Hazards are identified and risks are eliminated or control measures selected and implemented in accordance with workplace procedures
		2.2	Required tools, consumables and equipment are identified and suitable
		2.3	Equipment is inspected for visible faults and loose or damaged components
3	Conduct pre-start operations and safety checks	3.1	Fluid levels are checked and adjusted in accordance with workplace procedures
		3.2	Mechanical components are checked to ensure attachments and tensions are secure in accordance with workplace procedures
		3.3	Own work and crane system operations are checked to ensure crane's operational condition is in accordance with manufacturer specifications and in accordance with workplace procedures
		3.4	Tools, equipment and unused consumables are returned to appropriate locations and waste is disposed of in accordance with workplace procedures
		3.5	Mobile crane is monitored during operations

		in accordance with workplace procedures
4	Complete logbook entries	4.1
		Accurate reporting of daily inspection results is completed in accordance with workplace procedures
		4.2
		Potential fault conditions are reported to appropriate personnel

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 TLI Transport and Logistics Training Package Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to TLIB3013 Maintain mobile cranes.

Links

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

Assessment Requirements for TLIB0029 Conduct daily inspections on mobile cranes

Modification History

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

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria on at least one occasion and include:

- applying precautions and required actions to minimise, control or eliminate identified hazards
- applying specific crane legislation and workplace procedures
- checking fluids and carrying out basic lubrication processes
- communicating effectively and working collaboratively with others
- completing daily inspections and relevant workplace documentation
- identifying and correctly using relevant equipment
- identifying factors that may compromise operational capability
- reading and interpreting relevant instructions, workplace procedures, information, labels and decals
- reporting faults or malfunctions promptly in accordance with regulatory requirements and workplace procedures
- selecting and using appropriate personal protective equipment (PPE) conforming to industry and work health and safety (WHS)/occupational health and safety (OHS) standards.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria and include knowledge of:

- application of codes of practice, guidelines or other legislative requirements
- characteristics, hazards, capabilities and limitations of lubrication and other fluids
- correct use of hand tools and other equipment
- daily inspection workplace procedures for crane crews
- hazard management strategies consistent with the principle of hierarchy of risk control
- mobile crane applications, capacities, configurations, hazards and risk controls
- operational mobile crane systems and equipment
- relevant WHS/OHS and environmental procedures and regulations.

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must occur in workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated workplace operational situations that replicate workplace conditions and involve the controlling movement of equipment, goods, materials and vehicular traffic.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment must include access to:

- a range of relevant exercises, case studies and/or simulations
- applicable documentation including workplace procedures, regulations, codes of practice and operation manuals, including relevant:
 - state/territory regulations pertaining to the maintenance and safety of mobile cranes
 - state/territory WHS/OHS legislation
- PPE including:
 - gloves
 - safety headwear and footwear
 - sunscreen, sunglasses and safety glasses
 - two-way radios
 - high visibility clothing
- relevant materials, tools and equipment currently used in industry
- state/territory environmental protection legislation.

Links

Companion Volume Implementation Guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=df441c6e-213d-43e3-874c-0b3f7036d851>