



Australian Government

TLIB0003 Use and maintain minor mechanical equipment

Release: 1

TLIB0003 Use and maintain minor mechanical equipment

Modification History

Release 1. This is 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 use and maintain minor mechanical equipment in accordance with workplace procedures, safe working codes of practice and regulatory requirements across a variety of operational workplaces within the transport and logistics industry.

It includes carrying out pre-operational checks on equipment, operating mechanical equipment, conducting routine maintenance, and securing and storing equipment. Minor mechanical equipment may encompass hand and power tools.

Work is performed under some supervision, generally in a team environment.

Where required to operate mechanical plant or equipment, the operator must hold the relevant licence, permit or certificate for the class/type of equipment being operated.

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

Pre-requisite Unit

Not applicable.

Competency Field

B – Equipment Checking and Maintenance

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

PERFORMANCE CRITERIA

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

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| 1 | Carry out pre-operational checks | 1.1 Pre-operational checks are conducted to manufacturer specifications to ensure optimum equipment functionality |
| | | 1.2 Minor adjustments to equipment are made in accordance with manufacturer instructions to ensure efficient operation |
| | | 1.3 Faulty and damaged equipment is reported to relevant person to ensure equipment is safe and effective to use |
| 2 | Operate mechanical equipment | 2.1 Equipment is operated in accordance with manufacturer specifications and workplace procedures to ensure safe and effective operation |
| | | 2.2 Personal protective equipment (PPE) is used to minimise risk of injury in accordance with workplace procedures |
| | | 2.3 Work operational hazards are eliminated or controlled when using equipment to ensure safe working conditions |
| | | 2.4 Assisting personnel are given clear instructions about their duties to ensure safe and effective working conditions |
| 3 | Conduct routine maintenance | 3.1 Equipment is cleaned and maintained to ensure optimum functionality in accordance with manufacturer specifications, regulatory requirements and workplace procedures |
| | | 3.2 Detailed and accurate records are maintained in accordance with workplace procedures |
| 4 | Secure and store mechanical equipment | 4.1 Equipment is handled and transported in a safe, secure and efficient manner to minimise risk of injury to personnel and damage to equipment |
| | | 4.2 Equipment is stored and secured according to manufacturer and workplace procedures to prevent damage to and loss of equipment |

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 TLIB2029 Use and maintain minor mechanical equipment.

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 TLIB0003 Use and maintain minor mechanical equipment

Modification History

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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 action to minimise, control or eliminate identified hazards
- applying relevant lashing and securing techniques for equipment
- applying environmental requirements when using and maintaining minor mechanical equipment
- applying workplace procedures in the use and maintenance of minor mechanical equipment
- carrying out one routine maintenance and conducting checks in a safe manner including:
 - engine oil checks
 - coolant level checks
 - hydraulic oil and other fluid checks
 - globe replacement procedure
 - tyre checks for wear
 - drive belt checks and adjustments
 - seat, mirror and related driver adjustments
- communicating and working effectively with others when reporting identified problems, faults or malfunctions
- completing a pre-operational check on one piece of equipment used in the job function
- completing workplace documentation processes
- following relevant tagout processes
- modifying activities depending on operational contingencies, risk situations and environments
- monitoring performance of equipment
- monitoring work activities in terms of planned schedule
- operating and adapting to differences in equipment in accordance with workplace procedures
- operating mechanical equipment to manufacturer and workplace requirements
- operating relevant cleaning equipment and using relevant cleaning supplies
- recording identified fault/damage in accordance with workplace procedures
- reporting identified problems, faults and malfunctions promptly, in accordance with workplace procedures
- selecting and using required personal protective equipment (PPE)

- using and handling cleaning agents and relevant cleaning equipment in accordance with work health and safety (WHS)/occupational health and safety (OHS)/occupational safety and health (OSH), environmental requirements
- working systematically with required attention to detail without injury to self or others, or damage to goods or equipment

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:

- basic lashing securing techniques
- emergency procedures in the event of an accident when using and maintaining mechanical equipment
- environmental requirements for waste disposal when using and maintaining mechanical equipment
- manufacturer specifications and documentation
- pre-operational and operational checklists
- problems and faults that can occur when using and maintaining minor mechanical equipment and related action that should be taken to resolve these problems
- relevant Safety Data Sheets (SDS) and manufacturer specifications for cleaning products
- relevant WHS/OHS/OSH and environmental procedures and regulations
- safe operation of cleaning equipment
- safe use of cleaning supplies
- tools and equipment for using and maintaining minor mechanical equipment, and the procedures and precautions for their care, use and storage
- workplace documentation and records requirements
- workplace procedures for pre-operational checks
- workplace procedures for using and maintaining minor mechanical equipment.

Assessment Conditions

As a minimum, assessors must satisfy applicable regulatory requirements, which include requirements in the Standards for Registered Training Organisations current at the time of assessment.

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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.

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 include:

- a range of relevant exercises, case studies and/or simulations
- applicable documentation including workplace procedures, regulations, codes of practice and operation manuals
- relevant materials, tools, equipment and personal protective equipment currently used in industry.

Links

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