



Australian Government

TLIS2012 Install and service rail lubrication equipment

Release: 2

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Modification History

Release 2. This is the second release of this unit of competency in the TLI Transport and Logistics Training Package:

- Minor statement added in Knowledge Evidence
- Minor statement changes in Assessment Conditions.

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 install and service rail lubrication equipment in accordance with safeworking and regulatory requirements, and workplace procedures.

It includes installing the lubrication equipment, servicing and monitoring the lubrication equipment, removing lubrication equipment and completing all required documentation.

People achieving competence in this unit will need to fulfil the applicable state/territory legislated rail safety requirements and to comply with relevant codes of practice and/or guidelines.

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

It involves the application of routine operational principles and procedures when installing and servicing rail lubrication equipment, as part of workplace activities across a variety of operational contexts within the Australian rail system.

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

Pre-requisite Unit

Not applicable.

Competency Field

S – Construction and Installation

Unit Sector

Rail sector.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

PERFORMANCE CRITERIA

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

1 Install lubricator	1.1	Work location is identified
	1.2	Hazards are identified, risks are assessed and control measures are implemented
	1.3	Rail is correctly prepared at lubrication site to enable correct fitting of lubricator
	1.4	Lubricator is installed and tested to ensure correct functionality in accordance with workplace procedures
2 Service and monitor lubricator	2.1	Lubricator is cleaned and correctly adjusted to ensure correct functionality
	2.2	Parts are replaced as required to ensure correct functionality
	2.3	Lubricator is filled with appropriate lubricant
	2.4	Lubricator is checked and adjusted to maintain correct functionality
3 Remove lubricator	3.1	Preparations for the removal of the lubricator are made in accordance with workplace procedures
	3.2	Lubricator is correctly removed and stowed in accordance with workplace procedures
4 Complete documentation	4.1	Required documentation procedures and processes are confirmed
	4.2	Documentation is filled in legibly and proofread
	4.3	Documentation is 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 TLI Transport and Logistics Training Package Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to TLIS2012A Install and service rail lubrication 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 TLIS2012 Install and service rail lubrication equipment

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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:

- adapting to differences in equipment in accordance with workplace operating procedures
- adjusting the pump to supply optimum grease delivery or replacing a gasket set
- applying relevant workplace procedures
- checking compliance of work with job specifications
- identifying job hazards and taking required action to minimise, control or eliminate identified hazards
- interpreting and following operational instructions and performing work in correct sequence
- modifying activities depending on operational contingencies, risk situations and environments
- monitoring work activities in terms of planned schedule
- reading and interpreting relevant technical data, instructions and manuals
- reporting and/or rectifying identified problems, faults or malfunctions, in accordance with workplace procedures
- selecting and using relevant equipment and tools
- 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:

- characteristics of relevant equipment, materials, structures, hardware and components
- hazardous situations and related personal protection measures
- hazards that may exist when installing and servicing rail lubrication equipment, and ways of controlling the risks involved

- mechanical processes involved in installing and servicing rail lubrication equipment
- principles of rail lubrication and lubrication equipment
- problems that may occur when installing and servicing rail lubrication equipment, and action that can be taken to report or resolve these problems
- relevant rail industry standards, workplace technical manuals and instructions
- relevant recording and documentation procedures
- relevant rail safety, work health and safety (WHS)/occupational health and safety (OHS) and environmental procedures and regulations
- safety data sheets (SDS)/material safety data sheets (MSDS) and/or manufacturer instructions and workplace procedures and information on the use of lubricator types and lubricants
- workplace procedures for installing and servicing rail lubrication equipment.

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 or, where this is not available, in simulated workplace operational situations that replicate rail corridor 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 must include access to:

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

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