



Australian Government

Assessment Requirements for TLIC0022 Operate chemical and fuel tanker

Release: 1

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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 the requirements of the elements and performance criteria on at least one occasion and include:

- applying correct methods for ascending and descending a tanker ladder, as required
- applying correct placarding required for product being loaded, as required
- applying eco-driving techniques when operating a tanker
- applying precautions and required action to minimise, control or eliminate identified hazards
- applying techniques for loading and unloading a tanker
- completing documentation relating to operating a tanker
- identifying and preparing product transfer tanker equipment
- identifying compatibility of tanker with product
- identifying emergency equipment, including:
 - emergency shut down controls
 - evacuation controls
 - eye wash equipment and safety showers
 - fire-extinguishers
 - spill control equipment
- identifying personal protective equipment (PPE) required for product being transported
- identifying product and placarding tanker accordingly
- identifying properties of chemicals and/or fuels to be carried
- implementing contingency plans
- interpreting and following operational instructions and prioritising work
- meeting customer requirements when delivering fuel to customer site
- modifying activities depending on operational contingencies, risk situations and environments
- monitoring and anticipating traffic and site hazards and taking appropriate actions
- monitoring performance of tanker, trailers and equipment, and taking appropriate action, as required
- operating and adapting to differences in equipment in accordance with operating procedures
- planning routes to avoid congested areas, tunnels or areas where people may congregate
- reading and interpreting relevant instructions, workplace policies and procedures, information, and signs

- selecting and using required PPE conforming to industry and work health and safety (WHS)/occupational health and safety (OHS) standards
- working collaboratively with others
- 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 the requirements of the elements and performance criteria and include knowledge of:

- applicable regulatory requirements, including:
 - current Australian Dangerous Goods (ADG) Code
 - environmental protection regulations
 - placarding requirements
 - relevant permit and licensing requirements
 - relevant state and/or territory roads and traffic authority driving regulations
- causal factors of chemical tanker accidents and incidents
- effects of weight distribution on load behaviour and vehicle stability
- efficient driving techniques and eco-driving considerations
- factors involved in trip preparation
- factors that may cause traffic delays and diversions
- loading and unloading procedures for tanker, including:
 - bottom loading
 - top loading
- product transfer equipment, including:
 - delivery hoses
 - external piping and fittings
 - hose connections
 - overfill protection systems
 - valves
 - warning devices
- procedures to be followed in a driving emergency and in response to a transport emergency response plan (TERP)
- relevant dangerous goods information for operating chemical and fuel tanker
- relevant legislation and workplace policies and procedures for transporting chemicals
- relevant road rules, regulations, permit and licence requirements of relevant state/territory roads and traffic authority
- relevant WHS/OHS, workplace policies and procedures and regulations for chemical and fuel tanker operations, including:
 - bottom and top loading

- environmental protection
- fall protection and fall constraint safety equipment if working at heights
- safe delivery of product to customer site
- techniques for safe driving and delivery of product to a customer site
- techniques for safely loading and unloading a tanker safely
- techniques to continually identify and mitigate environmental risks
- workplace documentation, including:
 - dangerous goods shipping documentation
 - relevant internal data entry, including logbooks, data sheets and load sheets.

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.

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
- a tanker that meets all the relevant industry compliance and/or licensing requirements for carrying chemicals and/or fuel
- tools, equipment, machinery and relevant PPE currently used in the industry, including:
 - chemical resistant gloves
 - eye wash kit
 - fire extinguisher
 - spill kit
 - torch
- applicable documentation such as workplace policies, procedures, current ADG Code, emergency procedure guides, emergency response documentation, shipping documentation and TERP.

A simulator is not suitable for final assessment of this unit of competency.

Links

Companion Volume Implementation Guides are found in VETNet -

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

