



Australian Government

Assessment Requirements for UEEEL0052 Maintain and service traction lift systems and equipment

Release: 2

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Modification History

Release 2. Minor change. Typographic error in prerequisites corrected.

Release 1. This is the first release of this unit of competency in the UEE Electrotechnology 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, performance criteria and range of conditions on at least two separate occasions and include:

- applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements and workplace procedures and practices, including using of risk control measures
- applying sustainable energy principles and practices
- completing and reporting lift system servicing activities
- maintaining and servicing traction lift equipment, including:
 - carrying out lift safety gear periodic testing
 - conducting site cleaning and lubricating of lift equipment
 - dealing with unplanned events in accordance with workplace procedures in a manner that minimises risk to personnel and equipment
 - inspecting lift ropes
 - maintaining electro-hydraulic lift equipment
- planning to maintain and service lift systems.

Knowledge Evidence

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

- lubricant selection for lift components, including:
 - cooling and viscosity
 - corrosion protection and friction reduction
 - lubricant loss and loss estimation
 - suitable oils, greases, coolants, rust preventatives and solvents for particular devices
- lubricant application for lift components, including hand grease guns, oil cans and misters, pressure and automatic lubricators, lubrication points, level indicators and estimating

quantities

- lift systems: single and multiple wrap roping; types of ropes and their attachments, including hoisting, governor, tappet, compensator, selector, normal and Langs lay rope, standard ends attachments, splices, wedge sockets, Talurit fitting, Babbit sockets and Secon fitting
- lift system rope inspection, including:
 - corrosion, lubrication and tension
 - lift systems basic rope inspection
 - purpose
 - rope stretch
 - wear, broken strands, diameter and deformation
- rope stretch, including counterweight clearance and compensatory equipment
- inspection of rope attachments, including:
 - deformation and remedial action
 - rope anchor rods, castings and springs
 - wedges, swaging and checking for fracturing
- inspection of sheaves, including groove condition, rifling, ropes down in sheaves and maintenance records
- maintenance, replacement and adjustment of mechanical lift components, including:
 - air cords, selectors and tapes/chains
 - bearings: roller, sleeve, guide shoes and slipper
 - car and landing doors, locks and guides
 - well, pit and motor room equipment
- relevant job safety assessments or risk mitigation processes
- relevant manufacturer specifications
- relevant requirements of lift code/enterprise
- relevant WHS/OHS legislated requirements
- relevant workplace documentation including authorisations permit parts/component, components fault report/s, despatch and store records, and test results
- relevant workplace policies and procedures
- sustainable energy principles and practices.

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 suitable workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in suitable 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 other simulations
- relevant and appropriate materials, tools, facilities, equipment and personal protective equipment (PPE) currently used in industry
- resources that reflect current industry practices in relation to maintaining and servicing traction lifts
- applicable documentation, including workplace procedures, equipment specifications, regulations, relevant industry standards, codes of practice and operation manuals.

Links

Companion Volume implementation guides are found in VETNet - -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b8a8f136-5421-4ce1-92e0-2b50341431b6>