



Australian Government

Assessment Requirements for UEPMNT304 Maintain mechanical pumps

Release: 2

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Modification History

Release 2. Minor release to update superseded pre-requisite units.

Release 1. This is the first release of this unit of competency in the UEP Generation Training Package.

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements, performance criteria and range of conditions on at least two separate occasions and includes:

- applying Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) requirements including:
 - emergency procedures
 - hazard identification
 - risk control measures
 - safe working practices
- applying coupling levelling and alignment techniques
- communicating with personnel
- completing work in line with schedules
- determining data analysis techniques and tools
- dismantling and reassembling techniques
- identifying resources and materials
- implementing legislation, industry standards, codes of practice and regulations
- interpreting technical drawings, manufactures' specifications and manuals
- manufacturing and installing seals and gaskets
- recognising worn or damaged components
- removing and maintaining mechanical pumps
- replacing or installing mechanical pumps
- selecting materials and components
- using precision measuring equipment
- using removal and maintenance techniques and procedures
- using tools including specialised tools and jigs
- utilising permit to work system
- working with defined tolerances

Knowledge Evidence

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

- data analysis techniques and tools
- defined tolerances
- dismantle and reassemble techniques
- legislation, industry standards, codes of practice and regulations
- maintenance of mechanical pumps
- manufacture and installation of seals and gaskets
- manufacturers' specifications and manuals
- materials and components
- permit to work system
- precision measuring equipment
- resources and materials
- technical drawings
- techniques for coupling, levelling and alignment
- tools including specialised tools and jigs
- WHS/OHS legislated requirements including:
 - emergency procedures
 - hazard identification
 - risk control measures
 - safe working practices
- workplace documentation,
- workplace policies and procedures
- worn or damaged components

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

Assessment must occur in workplace operational situations. Where this is not appropriate, assessment must occur in simulated workplace operational situations that reflect workplace conditions. Resources for assessment must include access to:

- a range of relevant exercises, case studies and/or other simulations

- applicable documentation including workplace procedures, industry standards, equipment specifications, regulations, codes of practice and operation manuals.
- relevant and appropriate materials, tools, equipment and personal protective equipment currently used in industry

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=1715b9fa-e7bd-441c-bb8d-cf22c9c825a8>