



Australian Government

Assessment Requirements for UEPMNT313 Maintain internal combustion engines

Release: 1

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Modification History

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
 - hazardous material identification
 - risk control measures
 - safe working practices
 - safety signs
- assessing internal combustion engine condition using diagnosis and testing techniques and methods
- communicating with personnel
- completing work as per scheduled arrangements
- determining permit to work
- identifying and inspecting resources, materials and components
- implementing legislation, industry standards, codes of practice and regulations
- interpreting manufacturers' specifications and manuals
- overhauling and maintaining internal combustion engine using maintenance and repair techniques
- performing isolations
- planning for internal combustion engine maintenance work
- recording data
- removing auxiliary systems using dismantling and reassembly techniques
- replacing auxiliary system
- using tools and measuring equipment
- utilising torqueing, levelling and alignment techniques
- working with manufactured gaskets and seals

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 recording techniques
- diagnostic and test techniques
- dismantling and reassembly techniques
- gaskets and seals
- generation plant and equipment
- internal combustion engines
- isolations
- legislation, industry standards, codes of practice and regulations
- levelling and aligning techniques
- manufacturers' specifications and manuals
- permit to work system
- repair and installation
- tools and measuring equipment
- torquing techniques
- typical arrangements of power production plant
- WHS/OHS legislated requirements including:
 - emergency procedures
 - hazardous material identification
 - risk control measures
 - safe working practices
 - safety signs
- workplace documentation
- workplace policies and procedures

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

Links

Companion Volume implementation guides are found in VETNet -

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