



Australian Government

Assessment Requirements for UEERA0079 Safely handle refrigerants and lubricants

Release: 1

Assessment Requirements for UEERA0079 Safely handle refrigerants and lubricants

Modification History

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 the requirements of the elements and performance criteria on at least two separate occasions and include:

- applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements, including using risk control measures
- determining the safe fill capacity of a refrigerant cylinder
- safely handle refrigerants in accordance with standards, codes and regulatory requirements
- documenting work, including refrigerant usage and removal
- implementing relevant legislation, industry standards, codes of practice and regulations
- testing for refrigerant leaks
- transferring and decanting refrigerant
- transferring lubricant.

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 includes knowledge of:

- compressor lubricant transferring equipment, procedures and requirements
- compressor lubricant types, applications, properties and safe handling
- decanting methods, including pressure differential, including pumping and temperature differential
- environmental impact of climate change, including global warming potential (GWP)
- environmental impact of ozone depletion, including ozone depletion potential (ODP)
- leak detection methods, equipment, procedures and requirements
- properties of an ideal refrigerant
- refrigerant cylinder requirements and safe handling, including recovery cylinders
- refrigerant properties, including classes, types and applications, boiling point, glide, composition, including components and safe handling, including flammability, toxicity and high pressure
- relevant legislation, industry standards, codes of practice and regulations
- relevant risk mitigation processes while handling refrigerants and lubricants, including

- potential hazards, risk control methods and safe working practices
- safe fill ratios and relevant calculations
- system contamination, prevention and removal, including types of contaminants and their effects on the operation of a system
- terms, including primary, secondary, expendable, pure, azeotropic, zeotropic, blends, bubble point, dew point and critical point.

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 other simulations
- relevant and appropriate materials, tools, equipment and personal protective equipment (PPE) 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.gov.au/Pages/TrainingDocs.aspx?q=b8a8f136-5421-4ce1-92e0-2b50341431b6>