

## **AUR31225 Certificate III in Mobile Plant Technology**

### **Qualification Description**

This qualification reflects the role of individuals who perform a broad range of tasks on a variety of mobile plant machinery in the automotive retail, service and repair industry.

No licensing, legislative or certification requirements apply to this qualification at the time of publication.

### **Entry Requirements**

Nil.

### **Packaging Rules**

**Total number of units = 36**

**9 core units**, plus

**27 elective units**, of which:

- all units in one of the Specialist Elective Groups A to C must be chosen
- of the remaining units required to make up the unit total:
  - all may be from the Specialist Elective Groups and general elective units listed below
  - up to **6** may be from a Certificate II qualification or above in this Training Package or another endorsed Training Package or accredited course.

Elective units chosen must be relevant to the work environment and the qualification, maintain the overall integrity of the AQF alignment, not duplicate the outcome of another unit chosen for the qualification, and contribute to a valid vocational outcome.

### **Specialisations**

Where relevant, specialisations can be used in this qualification for:

- Mobile Plant Equipment
- Forklift
- Elevating Work Platform

The achievement of a specialisation will be identified on testamurs as follows:

- AUR31220 Certificate III in Mobile Plant Technology (Mobile Plant Equipment)
- AUR31220 Certificate III in Mobile Plant Technology (Forklift)
- AUR31220 Certificate III in Mobile Plant Technology (Elevating Work Platform)

### **Mobile Plant Equipment specialisation**

Select all units listed in Specialist Elective Group A.

### **Forklift specialisation**

Select all units listed in Specialist Elective Group B.

### **Elevating Work Platform specialisation**

Select all units listed in Specialist Elective Group C.

### **Core Units**

AURAEA002 Follow environmental and sustainability best practice in an automotive workplace

AURASA102 Follow safe working practices in an automotive workplace

AURETR112 Test and repair basic electrical circuits

AURETR125 Test, charge and replace batteries and jump-start vehicles

AURTTA006 Inspect and service hydraulic systems

AURTTA104 Carry out servicing operations

AURTTA105 Select and use bearings, seals, gaskets, sealants and adhesives

AURTTA118 Develop and carry out diagnostic test strategies

AURTTK102 Use and maintain tools and equipment in an automotive workplace

### **Specialist Elective Units**

#### *Group A: Mobile Plant Equipment*

AURETR124 Diagnose and repair compression ignition engine management systems

AURETR129 Diagnose and repair charging systems

AURETR130 Diagnose and repair starting systems

AURHTE102 Diagnose and repair heavy vehicle compression ignition engines

AURHTF102 Diagnose and repair heavy vehicle diesel fuel injection systems

AURKTA005 Inspect, service and repair track type drive and support systems

AURKTA111 Diagnose and repair mobile plant hydraulic systems

AURKTB101 Diagnose and repair mobile plant braking systems

AURKTD102 Diagnose and repair mobile plant steering systems

AURKTQ101 Diagnose and repair mobile plant final drive assemblies

AURKTX101 Diagnose and repair powershift transmissions

AURTTC103 Diagnose and repair cooling systems

AURTTF105 Diagnose and repair engine forced-induction systems

#### *Group B: Forklift*

AURETR129 Diagnose and repair charging systems

AURETR130 Diagnose and repair starting systems

AURNTA001 Inspect, service and repair forklift mast assemblies

AURNTB101 Diagnose and repair forklift hydraulic braking systems

AURNTD101 Diagnose and repair forklift hydrostatic steering systems

AURTTA113 Diagnose and repair hydraulic systems

AURTTB101 Inspect and service braking systems

AURTTC103 Diagnose and repair cooling systems

AURTTE104 Inspect and service engines

*Group C: Elevating Work Platform*

AURHTE102 Diagnose and repair heavy vehicle compression ignition engines

AURHTF102 Diagnose and repair heavy vehicle diesel fuel injection systems

AURHTQ102 Diagnose and repair heavy commercial vehicle final drive assemblies

AURHTQ103 Diagnose and repair heavy vehicle drive shafts

AURLTB103 Diagnose and repair light vehicle hydraulic braking systems

AURTTA113 Diagnose and repair hydraulic systems

AURTTB101 Inspect and service braking systems

AURTTE104 Inspect and service engines

AURTTK001 Use and maintain measuring equipment in an automotive workplace

AURVTW101 Carry out manual metal arc welding on components

AURVTW109 Carry out basic gas metal arc welding

*General Elective Units*

AURACA101 Respond to customer needs and enquiries in an automotive workplace

AURAF103 Communicate effectively in an automotive workplace

AURATA002 Read, interpret and apply engineering drawings

AURETH002 Service and maintain battery electric vehicles\*

AURETH101 Depower and reinitialise battery electric vehicles

AURETH017 Work safely with hydrogen in the automotive industry

AURETH018 Inspect and service fuel cell components\*

AURETK002 Use and maintain electrical test equipment in an automotive workplace

AURETR005 Install automotive security systems and components

AURETR007 Apply knowledge of automotive electrical circuits and wiring systems

AURETR010 Repair wiring harnesses and looms

AURETR011 Install basic ancillary electrical systems and components

AURETR019 Inspect, service and repair AC electric motor drive systems

AURETR021 Inspect, service and repair electronic management, monitoring and tracking systems

AURETR123 Diagnose and repair spark ignition engine management systems

AURETR124 Diagnose and repair compression ignition engine management systems

AURETR128 Diagnose and repair instruments and warning systems

AURETR129 Diagnose and repair charging systems

AURETR130 Diagnose and repair starting systems

AURETR131 Diagnose and repair ignition systems

AURETR132 Diagnose and repair automotive electrical systems  
AURETR144 Diagnose and repair integrated engine and transmission management systems  
AURETU103 Service air conditioning and HVAC systems  
AURETU104 Diagnose and repair air conditioning and HVAC components  
AURETU105 Retrofit automotive air conditioning and HVAC systems  
AURHTB101 Diagnose and repair heavy vehicle air braking systems  
AURHTE001 Remove and install heavy vehicle engine assemblies  
AURHTE102 Diagnose and repair heavy vehicle compression ignition engines  
AURHTF102 Diagnose and repair heavy vehicle diesel fuel injection systems  
AURHTJ103 Remove, inspect and refit heavy vehicle wheel and tyre assemblies  
AURHTJ106 Remove, inspect, repair and refit heavy vehicle tyres and tubes  
AURHTL101 Inspect, diagnose and repair alternative fuel systems in heavy vehicle engines  
AURHTQ102 Diagnose and repair heavy commercial vehicle final drive assemblies  
AURHTQ103 Diagnose and repair heavy vehicle drive shafts  
AURHTX002 Inspect, test and replace heavy vehicle automatic transmissions  
AURHTX104 Diagnose and repair heavy vehicle clutch systems  
AURHTZ101 Diagnose and repair heavy vehicle emission control systems  
AURKTA001 Synchronise plant and equipment  
AURKTA005 Inspect, service and repair track type drive and support systems  
AURKTA111 Diagnose and repair mobile plant hydraulic systems  
AURKTB101 Diagnose and repair mobile plant braking systems  
AURKTD101 Diagnose and repair mobile plant suspension systems  
AURKTD102 Diagnose and repair mobile plant steering systems  
AURKTJ012 Remove, inspect and fit earthmoving and off-the-road wheel and rim assemblies  
AURKTJ016 Use earthmoving and off-the-road tyre handlers  
AURKTQ101 Diagnose and repair mobile plant final drive assemblies  
AURKTR101 Diagnose and repair electronic over hydraulic control systems  
AURKTX101 Diagnose and repair powershift transmissions  
AURKTX104 Diagnose and repair continuously variable transmissions  
AURLTB103 Diagnose and repair light vehicle hydraulic braking systems  
AURLTE001 Remove and install light vehicle engine assemblies  
AURLTE102 Diagnose and repair light vehicle engines  
AURLTZ101 Diagnose and repair light vehicle emission control systems  
AURN TA001 Inspect, service and repair forklift mast assemblies  
AURN TB101 Diagnose and repair forklift hydraulic braking systems  
AURN TD101 Diagnose and repair forklift hydrostatic steering systems  
AURTTA007 Inspect, service and repair pneumatic systems  
AURTTA009 Carry out mechanical pre-repair operations  
AURTTA011 Install hydraulic systems to specified applications  
AURTTA012 Fabricate and install fluid power hose assemblies

AURTTA014 Assemble and install pneumatic system components  
AURTTA017 Carry out vehicle safety inspections  
AURTTA113 Diagnose and repair hydraulic systems  
AURTTB004 Inspect and service air braking systems  
AURTTB006 Inspect, service and repair auxiliary braking systems  
AURTTB015 Assemble and fit braking system components  
AURTTB101 Inspect and service braking systems  
AURTTTC103 Diagnose and repair cooling systems  
AURTTTC001 Inspect and service cooling systems  
AURTTD002 Inspect and service steering systems  
AURTTD004 Inspect and service suspension systems  
AURTTE005 Overhaul engines  
AURTTE104 Inspect and service engines  
AURTTF003 Overhaul diesel fuel injection system components  
AURTTF101 Inspect and service petrol fuel systems  
AURTTF102 Inspect and service diesel fuel injection systems  
AURTTF105 Diagnose and repair engine forced-induction systems  
AURTTF106 Diagnose and repair petrol carburettor systems  
AURTTJ011 Balance wheels and tyres  
AURTTK001 Use and maintain measuring equipment in an automotive workplace  
AURTTL001 Inspect and service CNG fuel systems  
AURTTL003 Install CNG fuel systems  
AURTTL007 Inspect and service LPG fuel systems  
AURTTL009 Install LPG fuel systems  
AURTTL102 Diagnose and repair CNG fuel systems  
AURTTL104 Inspect and service LNG fuel systems  
AURTTL105 Diagnose and repair LNG fuel systems  
AURTTL108 Diagnose and repair LPG fuel systems  
AURTTQ001 Inspect and service final drive assemblies  
AURTTQ103 Inspect and service drive shafts  
AURTTW001 Carry out soft soldering techniques  
AURTTX102 Inspect and service manual transmissions  
AURTTX103 Inspect and service automatic transmissions  
AURTTX104 Inspect and service hydrostatic transmissions  
AURTTX106 Diagnose and repair hydrostatic transmissions  
AURTTZ102 Diagnose and repair exhaust systems  
AURVTW002 Carry out oxyacetylene brazing of components  
AURVTW018 Carry out oxyacetylene welding, thermal heating and cutting  
AURVTW101 Carry out manual metal arc welding on components  
AURVTW103 Carry out advanced gas metal arc welding on vehicle body sections

AURVTW104 Carry out tungsten inert gas welding

AURVTW109 Carry out basic gas metal arc welding

RIIHAN301E Operate elevating work platform

TLILIC0003 Licence to operate a forklift truck

TLILIC0005 Licence to operate a boom-type elevating work platform (boom length 11 metres or more)

\*Note the following prerequisite unit requirements.

UNIT IN THIS QUALIFICATION	PREREQUISITE UNIT
AURETH002 Service and maintain battery electric vehicles	AURETH001 Depower and reinitialise battery electric vehicles
AURETH018 Inspect and service fuel cell components	<p>AURETH101 Depower and reinitialise battery electric vehicles</p> <p>AURETH017 Work safely with hydrogen in the automotive industry</p>

## Qualification Mapping Information

AUR31220 Certificate III in Mobile Plant Technology.

## Links

[Link to Companion Volume Implementation Guide](#)