



Australian Government

AUR31516 Certificate III in Automotive Diesel Engine Technology

Release 1

AUR31516 Certificate III in Automotive Diesel Engine Technology

Modification History

Release	Comment
Release 1	New qualification.

Qualification Description

This qualification reflects the role of individuals who perform a range of tasks on a variety of diesel engines and associated systems in the automotive retail, service and repair industry.

Entry Requirements

This qualification may be accessed by direct entry.

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

Packaging Rules

Total number of units = 28

14 core units, plus

14 elective units, of which:

- up to **14** units may be chosen from the Elective Units listed below
- up to **5** units may be chosen from a Certificate II qualification or above in this Training Package or another endorsed Training Package or accredited course, provided that the units chosen contribute to the vocational outcome of this qualification and do not duplicate the outcome of another unit chosen for the qualification.

Core Units

Unit code	Unit title
AURAEA002	Follow environmental and sustainability best practice in an automotive workplace
AURASA002	Follow safe working practices in an automotive workplace
AURETR012	Test and repair basic electrical circuits
AURETR025	Test, charge and replace batteries and jump-start vehicles
AURHTE002	Diagnose and repair heavy vehicle compression ignition engines
AURHTF002	Diagnose and repair heavy vehicle diesel fuel injection systems
AURTTA004	Carry out servicing operations
AURTTA018	Carry out diagnostic procedures
AURTTE004	Inspect and service engines
AURTTK001	Use and maintain measuring equipment in an automotive workplace
AURTTK002	Use and maintain tools and equipment in an automotive workplace
AURTTM004	Assemble engine blocks and sub-assemblies
AURTTM008	Dismantle and evaluate engine blocks and sub-assemblies
AURTTM011	Recondition engine cylinder heads

Elective Units

Unit code	Unit title
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Unit code	Unit title
AURAF003	Communicate effectively in an automotive workplace
AURAMA001	Work effectively with others in an automotive workplace
AURETR024	Diagnose and repair compression ignition engine management systems
AURETR028	Diagnose and repair instruments and warning systems
AURETR029	Diagnose and repair charging systems
AURETR030	Diagnose and repair starting systems
AURETR032	Diagnose and repair automotive electrical systems
AURHTE001	Remove and install heavy vehicle engine assemblies
AURHTX004	Diagnose and repair heavy vehicle clutch systems
AURHTZ001	Diagnose and repair heavy vehicle emission control systems
AURMTE001	Test engines using a dynamometer
AURTTA005	Select and use bearings, seals, gaskets, sealants and adhesives
AURTTA009	Carry out mechanical pre-repair operations
AURTTF002	Inspect and service diesel fuel injection systems
AURTTF005	Diagnose and repair engine forced-induction systems
AURTTL001	Inspect and service CNG fuel systems
AURTTL002	Diagnose and repair CNG fuel systems
AURVTW001	Carry out manual metal arc welding on components
AURVTW003	Carry out advanced gas metal arc welding on vehicle body sections
AURVTW009	Carry out basic gas metal arc welding
MEM05006C	Perform brazing and or silver soldering
MEM05007C	Perform manual heating and thermal cutting
MEM18028B	Maintain engine lubrication systems

Qualification Mapping Information

Equivalent to AUR31512 Certificate III in Automotive Diesel Engine Technology

Links

Implementation Guide -

http://companion_volumes.vetnet.education.gov.au/Pages/TrainingPackage.aspx?pid=2