

Diesel Motor Mechanic

(Heavy Commercial Vehicle)

(ANZSCO: 321212)



Fact Sheet

Job description

Heavy Commercial Vehicle Mechanics, service, maintain and repair heavy road transport equipment, e.g. trucks and buses used on highways.

Their job involves:

- detecting and diagnosing faults in engines and parts
- dismantling and removing engine assemblies, transmissions, steering mechanisms and other components, and checking parts
- repairing and replacing worn and defective parts and reassembling mechanical components, and referring to service manuals as needed
- performing scheduled maintenance services, such as oil changes, lubrications and engine tune-ups, to achieve smoother running of vehicles and ensure compliance with pollution regulations
- reassembling engines and parts after being repaired
- testing and adjusting mechanical parts after being repaired for proper performance
- diagnosing and testing parts with the assistance of computers.

The qualification relevant to this job is [AUR31116 Certificate III in Heavy Commercial Vehicle Mechanical Technology](#).

NOTE: This trade assessment is for motor mechanics dealing with heavy commercial vehicles (as above) only. It does not extend to mobile plant equipment mechanics, agricultural equipment mechanics and light vehicle mechanics, or specialty areas such as automotive air-conditioning mechanics, brake mechanics, diesel motor mechanics, motorcycle mechanics, outboard motor mechanics or forklift mechanics (material handling technicians).

How will I be assessed?

Assessment is conducted in two stages:

Documentary Evidence Assessment:

We will review your training and employment evidence to ensure you have:

- with no formal training – five years work experience.
- with formal training – three years work experience
- the range of skills and knowledge required by a Diesel Motor Mechanic.

Your experience may include time spent in workplace-based training, up to a maximum of 12 months.

Your evidence must show you have worked in your occupation for at least 12 months within the last 3 years.

[For more information on the documents required for Documentary Evidence Assessment Stage, see the Evidence Guide on our website.](#)

Technical Interview:

If you are successful in Documentary Evidence Assessment, an assessor will assess you via a technical interview.

The technical interview will be conducted in English and no interpreters are allowed.

[For more information on Technical Interview, see the Technical Interview Guide on our website.](#)

What skills and knowledge do I need?

To be awarded the qualification [AUR31116 Certificate III in Heavy Commercial Vehicle Mechanical Technology](#), you must demonstrate your skill and knowledge in a number of units of competency. Each unit of competency defines a selection of knowledge and skill required in Australian workplaces.

You must achieve 36 units of competency:

Total number of units = 33

- **22 core units**, plus
- **14 elective units**.

AURAEA002	Follow environmental and sustainability best practice in an automotive workplace	Core	N/A
AURASA002	Follow safe working practices in an automotive workplace	Core	N/A
AURETR012	Test and repair basic electrical circuits	Core	N/A
AURETR022	Diagnose and repair vehicle dynamic control systems	Core	N/A
AURETR024	Diagnose and repair compression ignition engine management systems	Core	N/A
AURETR025	Test, charge and replace batteries and jump-start vehicles	Core	N/A
AURETR029	Diagnose and repair charging systems	Core	N/A
AURETR030	Diagnose and repair starting systems	Core	N/A
AURHTB001	Diagnose and repair heavy vehicle air braking systems	Core	N/A
AURHTD002	Diagnose and repair heavy commercial vehicle steering systems	Core	N/A
AURHTD003	Diagnose and repair heavy commercial vehicle suspension systems	Core	N/A
AURHTE002	Diagnose and repair heavy vehicle compression ignition engines	Core	N/A
AURHTQ003	Diagnose and repair heavy vehicle drive shafts	Core	N/A
AURHTZ001	Diagnose and repair heavy vehicle emission control systems	Core	N/A
AURTTA004	Carry out servicing operations	Core	N/A
AURTTA006	Inspect and service hydraulic systems	Core	N/A
AURTTA018	Carry out diagnostic procedures	Core	N/A

AURTTTC003	Diagnose and repair cooling systems	Core	N/A
AURTTTF002	Inspect and service diesel fuel injection systems	Core	N/A
AURTTTF005	Diagnose and repair engine forced-induction systems	Core	N/A
AURTTTK002	Use and maintain tools and equipment in an automotive workplace	Core	N/A
AURTTTQ001	Inspect and service final drive assemblies	Core	N/A
AURHTX001	Diagnose and repair heavy vehicle manual transmissions	Elective	A
AURHTX003	Diagnose and repair heavy vehicle automatic transmissions	Elective	B
AURAF003	Communicate effectively in an automotive workplace	Elective	Gen
AURETR043	Diagnose and repair electronic body management systems	Elective	Gen
AURHTB002	Diagnose and repair heavy vehicle hydraulic and air over hydraulic braking systems	Elective	Gen
AURHTQ002	Diagnose and repair heavy commercial vehicle final drive assemblies	Elective	Gen
AURHTX004	Diagnose and repair heavy vehicle clutch systems	Elective	Gen
AURTTA005	Select and use bearings, seals, gaskets, sealants and adhesives	Elective	Gen
AURTTA013	Diagnose and repair hydraulic systems	Elective	Gen
AURTTB004	Inspect and service air braking systems	Elective	Gen
AURHTF002	Diagnose and repair heavy vehicle diesel fuel injection systems	Elective	Gen
AURTTK001	Use and maintain measuring equipment in an automotive workplace	Elective	Gen
AURTTX002	Inspect and service manual transmissions	Elective	Gen
AURTTX003	Inspect and service automatic transmissions	Elective	Gen

What can I expect to be asked at the Technical Interview?

- Write answers to Workplace Health and Safety (WHS) questions, environment questions, correct manual handling techniques and complete a Job Safety Analysis (JSA)
- Select appropriate tools and equipment to complete the tasks
- Service, diagnose and repair automotive braking systems, components and/or assemblies
- Service, diagnose and repair automotive electrical control systems, components and/or assemblies
- Service, diagnose and repair automotive electrical systems, components and/or assemblies

What programs does this assessment fall under?

This assessment comes under the following programs and regions:

OSAP (Europe & All states of Australia)

TSS (Europe & All states of Australia)

What will I receive after the assessment?

If you **successfully** complete the Technical Interview you will receive the following:

- an Australian Certificate III qualification and a Statement of Results
- a migration outcome letter if the assessment is to support your visa application.

If you are **unsuccessful** in Technical Interview you will receive:

- a Statement of Attainment that lists the units of competency you successfully achieved
- a Statement of Results that lists units of competency you have successfully achieved and those that were not achieved.

Where can I find more information?

Please refer to our website: <https://www.atc.org.au/trades-recognition/> 

Any queries may be directed to:

Australian Trade Training College Ltd

294 Scarborough Road

Scarborough Qld 4020

Phone: +61 (0) 7 3414 5999

Australian Trade Training College Ltd (Europe Office)

48 Haven Green

Ealing Broadway, UK W5 2NX

Phone: +44 (0) 203 780 2437

Email: tra@atc.org.au

Website: <https://www.atc.org.au/> 

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