VETASSESS

Diesel Motor Mechanic

(Heavy Commercial Vehicle)

ANZSCO Code: 321212

Occupation Description:

Heavy Commercial Vehicle Mechanics maintain, test and repair diesel engines and the mechanical parts of heavy road transport equipment such as freight trucks and passenger buses.



Their job involves:

- detecting and diagnosing mechanical and electrical 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, 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.

Heavy Commercial Vehicle Mechanics may also:

- inspect vehicles and issue roadworthiness certificates or detail work required to achieve roadworthiness.
- respond to vehicle breakdown service calls.

NOTE: This occupation is for motor mechanics working with heavy commercial vehicles in the automotive retail, service and repair industry. It does not extend to mobile plant, agricultural equipment or forklift mechanics or specialty areas such as automotive air-conditioning, brake or small engine mechanics.

How will I be assessed?

Stage 1: Documentary Evidence Assessment 1

We will review your documentary evidence to ensure it meets the employment and training requirements and indicates that you have the necessary skills, knowledge and experience as a Diesel Motor Mechanic (Heavy Commercial Vehicle).

You can find information about the employment, training, and document requirements below:

- For information on what evidence you need to include with your application, download the **Evidence guide.**
- If you are in pathway 1 you also need to find information on assessment for your specific occupation
  - **Video guide**
  - **Observation report**
- For information about the employment experience requirements for a Pathway 1 application, please refer to the **Pathway 1 Employment Experience Guidelines**.
- If you are applying for a Pathway 2 assessment:
  - read the **Pathway 2 Assessment Guide.**
  - complete and submit **Observation report** with your application

Stage 2: Technical Assessment 2

If you are successful in Stage 1, you will complete a technical assessment.

For more information about the technical assessment, see the **Pathway 1 Technical Assessment Guide** and **Pathway 2 Candidate Guide**.

What skills and knowledge do I need?

The qualification relevant to this occupation is the **AUR31120 Certificate III in Heavy Commercial Vehicle Mechanical Technology**. To be awarded this qualification, you must demonstrate your skills and knowledge in the units of competency listed in the table below. Each unit of competency defines a selection of knowledge and skills required in Australian workplaces.

You must achieve 36 units of competency:

- 22 core units
- 14 elective units

General automotive workplace skills

Code	Title
AURAFA103	Communicate effectively in an automotive workplace
AURASA102	Follow safe working practices in an automotive workplace
AURAFA002	Read and respond to automotive workplace information
AURAEA002	Follow environmental and sustainability best practice in an automotive workplace
AURTTK102	Use and maintain tools and equipment in an automotive workplace
AURTTK001	Use and maintain measuring equipment in an automotive workplace
AURTTA104	Carry out servicing operations
AURTTA118	Develop and carry out diagnostic test strategies

Batteries and electrical systems

Code	Title
AURETR125	Test, charge and replace batteries and jump-start vehicles
AURETR129	Diagnose and repair charging systems
AURETR130	Diagnose and repair starting systems
AURETR112	Test and repair basic electrical circuits

Engines and fuel systems

Code	Title
AURETR124	Diagnose and repair compression ignition engine management systems
AURTTC001	Inspect and service cooling systems
AURTTC103	Diagnose and repair cooling systems
AURTTE104	Inspect and service engines
AURHTE102	Diagnose and repair heavy vehicle compression ignition engines
AURTTA105	Select and use bearings, seals, gaskets, sealants and adhesives
AURTTF102	Inspect and service diesel fuel injection systems
AURTTF105	Diagnose and repair engine forced-induction systems
AURHTZ101	Diagnose and repair heavy vehicle emission control systems

Steering and suspension

Code	Title
AURTTD002	Inspect and service steering systems
AURHTD102	Diagnose and repair heavy commercial vehicle steering systems
AURTTD004	Inspect and service suspension systems
AURHTD103	Diagnose and repair heavy commercial vehicle suspension systems

Braking systems

Code	Title
AURTTB101	Inspect and service braking systems
AURTTB004	Inspect and service air braking systems
AURHTB101	Diagnose and repair heavy vehicle air braking systems
AURETR122	Diagnose and repair dynamic vehicle control systems

Transmission and driveline

Code	Title
AURHTX104	Diagnose and repair heavy vehicle clutch systems
AURTTX102	Inspect and service manual transmissions
AURHTX101	Diagnose and repair heavy vehicle manual transmissions
AURTTX103	Inspect and service automatic transmissions
AURTTQ001	Inspect and service final drive assemblies
AURHTQ103	Diagnose and repair heavy vehicle drive shafts
AURTTA006	Inspect and service hydraulic systems

How do I find out more about each unit of competency?

You are strongly encouraged to review each of the units of competency shown above. To do this:

1. Go to the following website: http://training.gov.au

2. Enter a unit code (e.g. MSMWHS200) into the search box.

3. Click on the Nationally recognised training button.

4. Click on the 'Search' button.

5. Read the Unit of Competency information.

Where can I find more information?

Please refer to our website: http://www.vetassess.com.au/skills-assessment-for-migration/trade-occupations

If you have further questions, contact us at:

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