VETASSESS

Diesel Motor Mechanic

(Mobile Plant)

ANZSCO Code: 321212

Occupation Description:

Mobile Plant Mechanics maintain, test and repair diesel engines and the mechanical parts of mobile plant equipment such as dozers, loaders, excavators, graders, drill rigs, cranes, haul trucks and compactors.



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.

NOTE: This occupation is for motor mechanics working with mobile plant equipment in the automotive retail, service and repair industry. It does not extend to heavy commercial vehicle, 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 (Mobile Plant).

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 **AUR31220 Certificate III in Mobile Plant 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:

- 9 core units
- 27 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
AURETR112	Test and repair basic electrical circuits
AURETR125	Test, charge and replace batteries and jump-start vehicles
AURETR129	Diagnose and repair charging systems
AURETR014	Inspect, test and service starting systems
AURETR130	Diagnose and repair starting systems

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
AURHTE001	Remove and install heavy vehicle engine assemblies
AURTTA105	Select and use bearings, seals, gaskets, sealants and adhesives
AURTTF102	Inspect and service diesel fuel injection systems
AURHTF102	Diagnose and repair heavy vehicle diesel fuel injection systems
AURTTF105	Diagnose and repair engine forced-induction systems

Steering and suspension

Code	Title
AURTTD002	Inspect and service steering systems
AURKTD102	Diagnose and repair mobile plant steering systems

Braking systems

Code	Title
AURTTB101	Inspect and service braking systems
AURKTB101	Diagnose and repair mobile plant braking systems

Transmission and driveline

Code	Title
AURKTX101	Diagnose and repair powershift transmissions
AURTTX104	Inspect and service hydrostatic transmissions
AURTTX106	Diagnose and repair hydrostatic transmissions
AURHTQ103	Diagnose and repair heavy vehicle drive shafts
AURTTQ001	Inspect and service final drive assemblies
AURKTQ101	Diagnose and repair mobile plant final drive assemblies
AURKTA005	Inspect, service and repair track type drive and support systems

Hyraulic systems

Code	Title
AURTTA006	Inspect and service hydraulic systems
AURKTA111	Diagnose and repair mobile plant 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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