

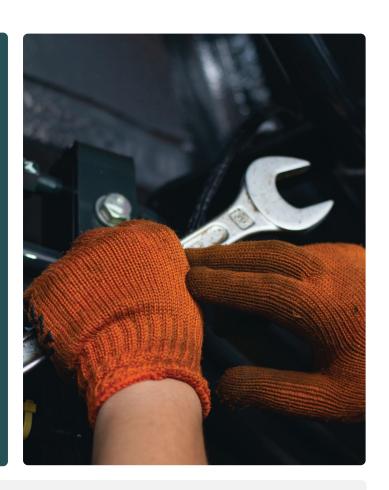
Diesel Motor Mechanic

(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 airconditioning, brake or small engine mechanics.

1

How will I be assessed?

Stage 1:Documentary Evidence Assessment

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, please read the Pathway 2 Assessment Guide.

Stage 2: Technical Assessment



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/Search.
- 2. Enter a unit code (e.g. MSMWHS200) into the 'Title or code' search box.
- 3. Click on the 'NRT' 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:

+61 3 9655 4801

tradeassess@vetassess.com.au