

ANZSCO Code: 321212

# Diesel Motor Mechanic

(Mobile Plant)



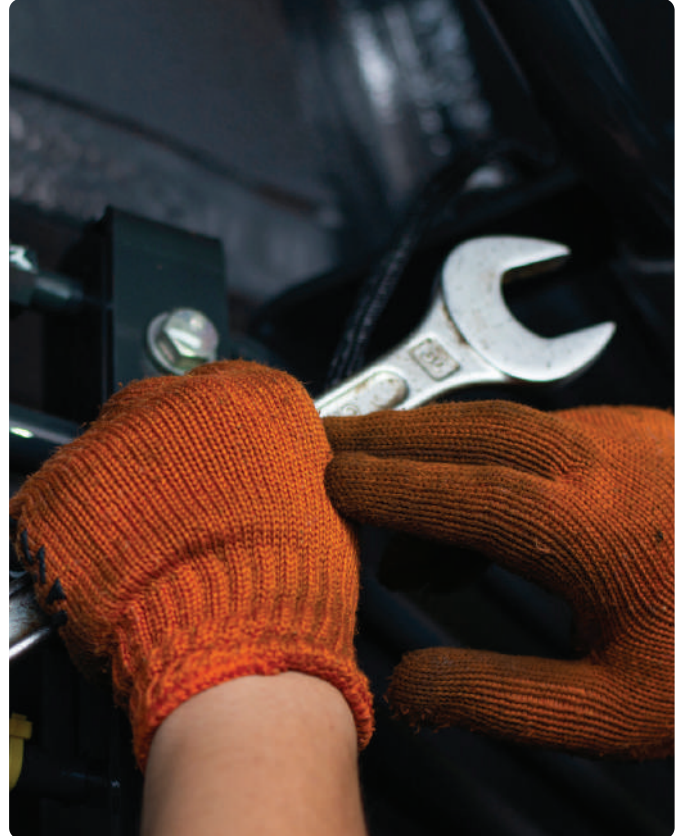
# Diesel Motor Mechanic

(Mobile Plant)

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## 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 speciality 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 Mobile Plant Mechanic.

You can find more information about the employment and training requirements, and the documents required, in the Pathway 1, Pathway 2 and Evidence guides on our website.

> [vetassess.com.au](https://vetassess.com.au)

### Stage 2: Technical Assessment

2

If you are successful in Stage 1, you will complete a technical interview with our assessor. The technical interview will be conducted in English with no interpreters allowed.

For more information about the technical interview, see the Stage 2 Assessment Guide on our website.

> [vetassess.com.au](https://vetassess.com.au)

## 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

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- > 27 elective units.

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## Core Units

Code	Title
AURAEA002	Follow environmental and sustainability best practice in an automotive workplace
AURASA102	Follow safe working practices in an automotive workplace
AURETR112	Test and repair basic electrical circuits
AURETR125	Test, charge and replace batteries and jump-start vehicles
AURTTA104	Carry out servicing operations
AURTTA118	Develop and carry out diagnostic test strategies
AURTTK102	Use and maintain tools and equipment in an automotive workplace
AURTTA105	Select and use bearings, seals, gaskets, sealants and adhesives
AURTTA006	Inspect and service hydraulic systems

## Elective Units

Code	Title
AURAF002	Read and respond to automotive workplace information
AURAF103	Communicate effectively in an automotive workplace
AURTF102	Inspect and service diesel fuel injection systems
AURTK001	Use and maintain measuring equipment in an automotive workplace
AURER014	Inspect, test and service starting systems
AURER129	Diagnose and repair charging systems
AURER130	Diagnose and repair starting systems
AURTB101	Inspect and service braking systems
AURTC103	Diagnose and repair cooling systems
AURTD002	Inspect and service steering systems
AURTD004	Inspect and service suspension systems
AURTE104	Inspect and service engines
AURTTQ001	Inspect and service final drive assemblies
AURHTQ103	Diagnose and repair heavy vehicle drive shafts
AURTTX104	Inspect and service hydrostatic transmissions
AURTTX106	Diagnose and repair hydrostatic transmissions
AURER124	Diagnose and repair compression ignition engine management systems
AURHE102	Diagnose and repair heavy vehicle compression ignition engines
AURTF105	Diagnose and repair engine forced-induction systems
AURTC001	Inspect and service cooling systems
AURHTF102	Diagnose and repair heavy vehicle diesel fuel injection systems
AURKA005	Inspect, service and repair track type drive and support systems
AURKA111	Diagnose and repair mobile plant hydraulic systems
AURKB101	Diagnose and repair mobile plant braking systems
AURKD102	Diagnose and repair mobile plant steering systems
AURKTQ101	Diagnose and repair mobile plant final drive assemblies
AURKTX101	Diagnose and repair powershift transmissions





You must demonstrate competency in all core and elective units of competency.

## 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:

- › Go to the following website: <https://training.gov.au/search>
- › Enter a unit code (AURASA102) into the 'Keyword search' search box
- › Click on 'NRT' button
- › Select the 'Search' button
- › Read the Unit of Competency information.

## What will I receive after the assessment?

### If you **successfully** complete Stage 2 you will receive:

- › A Skills Assessment Result Letter to support your visa application.

### And if applying under Pathway 1:

- › An Australian Certificate III qualification and a Statement of Results.

### If you are **unsuccessful** in Stage 2 you will receive:

- › A Skills Assessment Result Letter.

### And if applying under Pathway 1:

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

## 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](mailto:tradeassess@vetassess.com.au)

## Contact us

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