**Job Description-**

**WHAT DO MOTOR VEHICLE TECHNICIANS DO?**

This exciting career requires a qualified technician to service, repair and overhaul the mechanical parts of motor vehicles such as the engine, the transmission (clutch, gearbox and differential) and the suspension systems (springs, steering, brakes, wheels and tyres).

Motor vehicle technicians service and repair petrol and diesel engines.

Motor vehicle technicians work mainly in workshops and wear protective clothing. They need to keep up with changes in motor industry technology.

With the changes in automotive technology, there are now more electronic controls and computers fitted to vehicles. With the emergence of Hybrid, Battery and Driver-Less vehicles, motor vehicle technicians are becoming more specialised in their areas of work

Motor vehicle technicians may progress to positions such as Service Manager, Service Advisors, Technical Representative, Technical Officer, Auto Electricians or Diagnostic Specialist.

**WHAT DO AGRICULTURE DIESEL TECHNICIAN’S DO?**

Get your hands dirty and get ready for a great career. Ag Diesel Technicians inspect, keep up and repair diesel engines for Agriculture machinery and equipment. Diesel engines are known for their hard work, and because of that are found in hard working vehicles like Tractors, Harvesters, Sprayers, Bulldozers and Cranes to name a few. Diesel engines are different from petrol powered engines and have different needs and requirements when being serviced. Agriculture Diesel Technicians deal with everything from routine oil changes to full engine rebuilds.

Agriculture Diesel technicians have to understand the vehicles electrical system, engine, and all of its working parts. They are familiar with the mechanical and technical, using diagnostic computer software on a majority of Machinery and Equipment to identify the issues.

Diesel-powered vehicles are still in high demand, and job growth for Ag diesel technicians will grow steadily on average with most jobs.

**Duties for Motor Vehicle & Ag. Diesel technicians.**

* Discuss problems with customers or vehicle/machinery operators to discover faults, listen to engines, fit and operate special test equipment and test drive equipment;
* Repair and replace worn and faulty parts by removing assemblies such as engines, transmissions, differentials or steering gear; dismantle them and check parts, referring to manuals as necessary;
* Reassemble, test, clean and adjust repaired or replaced parts or assemblies, use various instruments to make sure they are working properly and put them back into the equipment;
* Assemble machinery equipment and accessories.
* Tune engines using special electronic equipment and make fine adjustments;
* Carry out minor body repairs and minor trim repairs;
* Diagnose, repair and replace engine management/fuel injection components.
* Use oxy, electric, TIG and MIG welders;
* Test and repair electrical systems such as lighting, instrumentation ignition and electronic fuel injection;
* Test and repair air-conditioning units;
* Fit and repair tyres and complete wheel alignments;
* Any other duty of a lawful nature as directed within the employee’s level of training and expertise.

**Education and training.**

Generally, we are looking for students who are at least completing or have completed year 10.

Full time apprenticeships, school-based apprenticeships and work experience are options.

Motor Vehicle and Ag. Diesel Technicians will complete their first 3 years of their apprenticeship learning on-the-job **and** in the classroom. The final year (4th) being **all** on-the-job.

Apprenticeship training is done locally through the Motor Trade Association in Bordertown. You will complete certificate 3 in Light Vehicle Mechanical Technology for the Motor Vehicle Apprenticeship and Certificate 3 in Agricultural Mechanical Technology for the Ag. Diesel Apprenticeship.

After the completion of the apprenticeship continuous training is conducted in order to up-skill and keep up with the ever-changing environment of the industry, including technological advancements.