

New Zealand Certificate in Outdoor Power Equipment (Level 4)			
Level	4	Credits	184
Assessment standards aligned with qualification outcomes			
<p>Outcome 1</p> <p>Respond to customer queries and technical issues as required to maintain a safe and effective workplace.</p> <p>(Credits 15)</p>	<p>23743 – Demonstrate knowledge of general legislation and regulations in the motor industry (Level 3, credits 2)</p> <p>29582 - Demonstrate knowledge of customer service requirements and business responsibilities in the automotive industry (Level 3, credits 4)</p> <p>31065 - Demonstrate knowledge of estimates and quotations in the automotive industry (Level 4, credits 3)</p> <p>22789 - Demonstrate knowledge of warranties and guarantees that apply to the automotive industry (Level 4, credits 4)</p> <p>31436 - Carry out a pre-delivery inspection on a vehicle or machine (Level 4, credits 3)</p>		
<p>Outcome 2</p> <p>Inspect, diagnose and repair common technical faults in outdoor power engine and driveline systems on a range of outdoor power equipment.</p> <p>(Credits 85)</p>	<p>31058 – Demonstrate knowledge of a diesel engine management system (Level 4, credits 2)</p> <p>31267 - Diagnose and repair carburettor faults (Level 4, credits 4)</p> <p>24294 – Demonstrate knowledge of two-stroke petrol engine lubrication, testing and tuning (Level 4, credits 3)</p> <p>31277 – Demonstrate knowledge of machine hydrostatic drive systems (Level 4, credits 3)</p> <p>31050 – Diagnose and repair automotive driveline system faults (Level 4, credits 10)</p> <p>31125 – Diagnose and repair vehicle or machine cooling system faults (Level 4, credits 6)</p> <p>31051 – Replace an automotive clutch assembly (Level 4, credits 8)</p> <p>31891 - Demonstrate knowledge of outdoor power equipment cutting systems, and describe their maintenance and fault diagnosis (Level 4, credits 3)</p> <p>31892 - Maintain outdoor power equipment cutting systems, and diagnose and repair faults (Level 4, credits 4)</p> <p>879 - Test and tune two-stroke petrol engines and diagnose and repair faults (Level 4, credits 6)</p>		

	<p>31901 - Disassemble, inspect and reassemble an outdoor power equipment engine (Level 4, credits 10)</p> <p>31899 - Demonstrate knowledge of power take-off clutches, and describe their fault diagnosis in the automotive industry (Level 4, credits 2)</p> <p>31898 - Diagnose and repair faults in power take-off clutches in the automotive industry (Level 4, credits 3)</p> <p>31900 - Demonstrate knowledge of earth compacting machine systems, and describe their maintenance and fault diagnosis (Level 4, credits 4)</p> <p>15429 - Diagnose and repair outdoor power equipment faults in the automotive industry (Level 4, credits 20)</p> <p>31063- Demonstrate knowledge of hydraulic brake system fault diagnosis (Level 4, credits 2)</p> <p>31064 - Describe the operation of vehicle electronic braking systems (Level 4, credits 4)</p> <p>31049- Diagnose and repair automotive emission control system faults (Level 4, credits 10)</p>
<p>Outcome 3</p> <p>Inspect, diagnose and repair common technical faults in outdoor power electrical and electronic systems on a range of outdoor power equipment.</p> <p>(Credits 75)</p>	<p>30885- Demonstrate knowledge of automotive diagnostic and repair procedures (Level 3, credits 5)</p> <p>30880- Describe automotive electronic components, actuators, sensors and signals (Level 3, credits 5)</p> <p>30881- Describe automotive scan tools and oscilloscopes (Level 4, credits 5)</p> <p>30873- Carry out diagnostic procedures using an automotive scan tool (Level 4, credits 8)</p> <p>30883- Describe charging and starting system diagnosis (Level 3, credits 3)</p> <p>31440- Demonstrate knowledge of manual starting systems (Level 3, credits 2)</p> <p>30876- Diagnose and rectify faults in vehicle or machine charging and starting systems (Level 4, credits 6)</p> <p>31435- Diagnose and repair faults in manual starting systems (Level 4, credits 2)</p> <p>31895 - Describe testing of portable generators in the automotive industry (Level 3, credits 2)</p> <p>31894 - Test portable generators in the automotive industry (Level 3, credits 2)</p> <p>31893 - Describe remotely operated outdoor power equipment systems (Level 4, credits 4)</p> <p>31896 - Describe water blasters, low-pressure pumps, and diagnosing faults in the motor and related industries (Level 4, credits 4)</p>

	<p>31897 - Diagnose and repair faults in water blasters and low-pressure pumps in the motor and related industries (Level 4, credits 4)</p> <p>31056 - Demonstrate knowledge of engine management system fault diagnosis (Level 4, credits 4)</p> <p>31057- Demonstrate knowledge of diagnosing automotive emission control system faults (Level 3, credits 4)</p> <p>31280- Demonstrate knowledge of machine frame, undercarriage and track systems (Level 4, credits 4)</p>
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