

**40482****Diagnose and perform complex repairs of outdoor power equipment in the motor and related industries**

<b>Kaupae   Level</b>	4
<b>Whiwhinga   Credit</b>	20
<b>Whāinga   Purpose</b>	<p>This skill standard is intended for people already working in the outdoor power equipment industry. People credited with this skill standard can independently diagnose and repair complex faults in outdoor power equipment.</p> <p>This standard can be used in programmes incorporating the use of outdoor power equipment.</p>

**Hua o te ako me Paearu aromatawai | Learning outcomes and assessment criteria**

<b>Hua o te ako   Learning outcomes</b>	<b>Paearu aromatawai   Assessment criteria</b>
1. Diagnose and perform complex repairs of outdoor power equipment in the motor and related industries.	a. Diagnose faults in outdoor power equipment.
	b. Complete complex repairs of outdoor power equipment.

**Pārongo aromatawai me te taumata paearu | Assessment information and grade criteria****Assessment specifications**

The evidence presented for assessment against this skill standard must be consistent with safe working procedures and be in accordance with applicable service information.

Evidence must be of five different types of faults. The faults must include one mechanical, one electrical and one fuel-system fault.

**Definitions**

*Complex repair* refers to a substantial repair, for example a repair including multiple steps, involving multiple components or requiring technical skills.

*Service information* refers to technical information for a vehicle, machine, or product detailing operation; installation and servicing procedures; manufacturer instructions; technical terms and descriptions; and detailed illustrations.

*Workplace procedures* refer to organisation policies and procedures that are documented in memo, electronic, or manual format and available in the workplace. They may include but are not limited to – standard operating procedures, site specific procedures, site safety procedures, equipment operating procedures, quality assurance procedures, product quality specifications, manufacturer's requirements, references, approved codes of practice, housekeeping standards, environmental considerations, on-site briefings, supervisor's instructions, and procedures to comply with legislative and local body requirements relevant to the automotive industry.

**Ngā momo whiwhinga | Grades available**

Achieved

**Ihirangi waitohu | Indicative content**

Outdoor power equipment, such as:

- cutting systems
- mowers
- water-blasters
- low-pressure transfer pumps.
- compactors
- posthole borers
- drills
- generators and welders
- chippers
- manual and power sprayers
- stump grinders
- concrete power floats and vibrators
- kerbing machines
- elevators and lifting platforms
- compressors
- cultivators
- outdoor blower vacs and vacuum cleaners
- hydraulic tools.

**Rauemi | Resources**

Legislation and resources relevant to this skill standard include:

- [Health and Safety at Work Act 2015](#).

**Pārongo Whakaū Kouna | Quality assurance information**

<b>Ngā rōpū whakatau-paerewa  </b> Standard Setting Body	Hanga-Aro-Rau Engineering, Manufacturing and Logistics Workforce Development Council
<b>Whakaritenga Rārangi Paetae Aromatawai  </b> DASS classification	Engineering and Technology > Motor Industry > Automotive Workshop Engineering
<b>Ko te tohutoro ki ngā Whakaritenga i te</b> <b>Whakamanatanga me te Whakaōritenga  </b> CMR	0014

<b>Hātepe   Process</b>	<b>Putanga   Version</b>	<b>Rā whakaputa   Review Date</b>	<b>Rā whakamutunga mō te aromatawai   Last date for assessment</b>
<b>Rēhitatanga   Registration</b>	1	27 March 2025	N/A
<b>Kōrero whakakapinga   Replacement information</b>	This skill standard replaced unit standard 15429.		
<b>Rā arotake   Planned review date</b>	31 December 2029		

Please contact Hanga-Aro-Rau Engineering, Manufacturing and Logistics Workforce Development Council at [qualifications@hangaarorau.nz](mailto:qualifications@hangaarorau.nz) to suggest changes to this skill standard.