

40474 Test portable generators

Kaupae Level	4
Whiwhinga Credit	2
Whāinga Purpose	<p>This skill standard is intended for people already working in the outdoor power equipment industry. People credited with this skill standard can test the electrical and mechanical operation of portable generators.</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

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
1. Test portable generators.	a. Test the electrical and mechanical operation of portable generators.

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.

It is recommended that people hold credit for *40473 Describe portable generator testing* before being assessed against this skill standard.

Competency under this skill standard does not entitle the learner to legally perform prescribed electrical work. Any prescribed electrical work must be undertaken by a person who has been registered and licensed under the Electricity Act 1992. Prescribed electrical work is defined in Schedule 1 of the Electricity (Safety) Regulations 2010.

Evidence must include tests of three separate generators.

Tests must include:

- testing generator load
- hertz
- voltage
- engine speed.

If relevant or present, testing may also include testing Residual Current Devices (RCDs).

Definitions

Portable generators relate to single phase generators only.

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

N/A

Rauemi | Resources

Legislation and resources relevant to this skill standard include:

- [Health and Safety at Work Act 2015](#)
- [AS/NZS 3760:2022 In-service safety inspection and testing of electrical equipment and RCDs.](#)

Pārongo Whakaū Kounga | Quality assurance information

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

Hātepe Process	Putanga Version	Rā whakaputa Review Date	Rā whakamutunga mō te aromatawai Last date for assessment
Rēhitatanga Registration	1	27 March 2025	N/A
Kōrero whakakapinga Replacement information	This skill standard replaced unit standard 31894.		
Rā arotake Planned review date	31 December 2029		

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