

40594 Operate mobile shears for metal recycling

Kaupae Level	3
Whiwhinga Credit	15
Whāinga Purpose	<p>This skill standard is intended for people who are already working in a resource recovery environment which processes metals for recycling. People credited with this skill standard will be able to operate and maintain mobile shears safely for metal recycling.</p> <p>This skill standard aligns with the New Zealand Certificate in Resource Recovery (Level 3) with strands in Organic Materials Processing, Recovery and Recycling, and Metal Recycling [Ref: 2744].</p>
Whakaakoranga me mātua oti Pre-requisites	Learners/ākonga must have completed a workplace health and safety induction or demonstrate equivalent knowledge and skills.

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

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
1. Prepare to operate mobile shears for metal recycling.	a. Describe the functions and components of machinery and equipment used for shearing operations in workplace.
	b. Identify hazards relating to shearing operations and their controls.
	c. Assess risks and follow risk controls for shearing operations.
	d. Conduct a prestart check of machinery and equipment used for shearing operations.
	e. Rectify or report any issues affecting quality or safety requirements.
	f. Fit and secure shears safely.

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
2. Operate mobile shears for metal recycling.	a. Operate machinery and equipment controls to move shears smoothly through all positions.
	b. Monitor operations to ensure adequate clearances are maintained.
	c. Sort, position and cut metal using mobile shears.
	d. Maintain material throughput to meet processing schedules.
	e. Clean machinery and equipment after operations.
3. Maintain machinery and equipment used for shearing operations.	a. Undertake routine and operational maintenance of machinery and equipment.
	b. Report any specialist maintenance requirements to supervisor.

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

Assessment specifications:

Assessment against this skill standard excludes the operation of the machine to which the mobile shears are attached.

Evidence presented for assessment against this skill standard must be consistent with safe working practices and be in accordance with applicable service information, workplace procedures and legislative requirements.

Definitions

Mobile shears refer to equipment that cuts metal by forcing it across a blade on two sides. It is usually operated from the cab of a mobile machine in a metal recycling yard such as a crane or excavator, or material handler.

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 resource recovery industry.

Ngā momo whiwhinga | Grades available

Achieved

Ihirangi waitohu | Indicative content**Mobile shears**

- Machinery components including anvil, knife, blade, parrot beak, cylinder, hinge points, hose and fittings.
- Uses of shears in the metal recycling industry.

Operations

- Prestart check including grease points, shimming tolerances, blade condition.
- Monitoring equipment controls and operations.
- Adequate clearances for people, property, services, access, adjacent stockpiles, overhead obstructions.
- Extraction of items from stockpile.
- Identification of metal types suitable for cutting.
- Metal cutting in accordance with specified size, shape and metal type.

Maintenance

- Operational maintenance such as minor adjustments to equipment, blade changing, detaching the shears, inspecting hydraulic lines.

Rauemi | Resources

Legislation, regulations and industry guidelines relevant to this skill standard include but are not limited to:

- Hazardous Substances and New Organisms Act 1996.
- Health and Safety at Work Act 2015.
- Resource Management Act 1991.
- Worksafe New Zealand. (current edition). Best Practice Guidelines, Safe Use of Machinery. Available from: <https://www.worksafe.govt.nz/>.

Any new, amended or replacement Acts, regulations, standards, codes of practice, guidelines, or authority requirements or conditions affecting this skill standard will take precedence for assessment purposes, pending review of this skill standard. Legislation can be accessed at: <https://www.legislation.govt.nz>.

Pārongo Whakaū Kouna | Quality assurance information

Ngā rōpū whakatau-paerewa Standard Setting Body	Hanga-Aro-Rau Manufacturing, Engineering and Logistics Workforce Development Council
Whakaritenga Rārangi Paetae Aromatawai DASS classification	Service Sector > Resource Recovery > Scrap Metal Recycling
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 22664.		
Rā arotake Planned review date	31 December 2029		

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