

Title	Maintain hand tools and service small engines used in a primary industry operation		
Level	2	Credits	5

Purpose	<p>This unit standard is for people working, or intending to work, in any kind of primary industry operation.</p> <p>People credited with this unit standard are able to: identify a range of tools and equipment, and demonstrate the use of appropriate safety equipment; sharpen hand tools using files, oilstones or grindstones, and electric bench grinders; and check and service two-stroke and four-stroke small engines used in a primary industry operation.</p>
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Classification	Primary Sector > Primary Sector Core Skills
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Available grade	Achieved
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Guidance Information

- 1 All evidence presented in this unit standard must be in accordance with:
 - Workplace procedures
 - Health and Safety at Work Act 2015.
- 2 Definition

Workplace procedures refer to policies and procedures on safety and operation set down by the employer or client.

Outcomes and performance criteria

Outcome 1

Identify a range of tools and equipment, and demonstrate the use of appropriate safety equipment used in a primary industry operation.

Range 20 items of common tools and equipment.

Performance criteria

- 1.1 Identify a range of tools and equipment used in a primary industry context by name, primary function, and requirements for safe use.

- 1.2 Demonstrate the use of appropriate safety equipment to show that the user is fully protected from, and aware of, the risks.

Range may include – eye protection, hearing protection, dust exclusion, an electric safety device.

Outcome 2

Sharpen hand tools using files, oilstones or grindstones, and electric bench grinders.

Range may include but is not limited to – narrow blades, wide blades, curved blades, metal attachments;
evidence for three hand tools is required.

Performance criteria

- 2.1 Assess the sharpness of the cutting edge in terms of the need for improvement.
- 2.2 Select sharpening and safety equipment in accordance with manufacturer's instructions.
- 2.3 Sharpen the cutting edge in a safe manner in accordance with manufacturer's recommendations and workplace procedures.

Outcome 3

Check and service two-stroke and four-stroke small engines used in a primary industry operation.

Range may include but is not limited to – lawnmower, weed eater, hedge trimmer, compactor;
evidence of one two-stroke and one four-stroke engine is required.

Performance criteria

- 3.1 Record equipment used, and maintenance actions in logbook or equivalent recording system in accordance with workplace procedures.
- 3.2 Determine engine fuel and oil requirements for specific engines.
- Range fuel and oil level, fuel and/or oil type.
- 3.3 Refuel engines according to the manufacturer's recommendations.
- 3.4 Clean, check and adjust air filters and spark plugs according to the manufacturer's recommendations.
- 3.5 Change engine oil according to the manufacturer's recommendation.
- 3.6 Identify risks of harm or illness for each small engine and describe methods to eliminate or minimise the risks.

Planned review date	31 December 2023
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	28 February 1993	31 December 2020
Review	2	21 September 1995	31 December 2020
Review	3	28 November 1997	31 December 2020
Revision	4	19 July 2001	31 December 2020
Review	5	25 July 2006	31 December 2020
Review	6	28 February 2019	N/A

Consent and Moderation Requirements (CMR) reference	0232
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact the Primary Industry Training Organisation standards@primaryito.ac.nz if you wish to suggest changes to the content of this unit standard.