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|--------------|---|----------------|-----------|
| <b>Title</b> | <b>Operate a mechanical rockbreaker</b> |                |           |
| <b>Level</b> | <b>3</b>                                | <b>Credits</b> | <b>10</b> |

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| <b>Purpose</b> | People credited with this unit standard are able to: prepare for rockbreaker operations; operate; maintain and store rockbreaker. |
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| <b>Classification</b> | Civil Plant Operation and Management > Civil Plant Operation |
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| <b>Available grade</b> | Achieved |
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| <b>Prerequisites</b> | Unit 17310, <i>Operate a hydraulic excavator on construction sites</i> ; or demonstrate equivalent knowledge and skills. |
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### Guidance Information

- 1 The following legislation and regulations must be complied with: Health and Safety at Work Act 2015; and Health and Safety in Employment Regulations 1995.
- 2 Assessment against this unit standard must take place in a workplace environment. Assessment parameters will be dependent on company and site specific equipment, procedures, and practices. Practices must reflect industry best practice and comply with legislative requirements.
- 3 Definitions  
*Company requirements* include the policy, procedures, and methodologies of the company. They include legislative and regulatory requirements which may apply across the company or to a specific site. Requirements are documented in the company's health and safety plans, traffic management plans, contract work programmes, quality assurance programmes, policies, and procedural documents.  
*Manufacturer's instructions* may include specifications, installation, handling, use and maintenance instructions and safety data sheets.  
*Job instructions* are those given to the operator prior to undertaking a job. They may include site safety instructions, contract drawings, and written memos.

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### Outcomes and performance criteria

#### Outcome 1

Prepare for rockbreaker operations.

**Performance criteria**

- 1.1 Prior to operations, pre-start check of rockbreaker is undertaken in accordance with manufacturer's instructions.
- Range oil, hydraulic fluid, grease, bolts, nuts, pins, tip, hydraulic hoses.
- 1.2 Machine, breaker, and type of tip are confirmed as compatible with material and end product in accordance with company requirements and manufacturer's instructions.
- 1.3 Protection devices are fitted to excavator in accordance with manufacturer's instructions.

**Outcome 2**

Operate rockbreaker.

**Performance criteria**

- 2.1 Excavator is positioned for optimum work pattern in accordance with company requirements.
- 2.2 Rockbreaker is positioned on target to optimise performance.
- 2.3 Weight is maintained on rockbreaker during operation in accordance with manufacturer's instructions.
- 2.4 Machine controls are operated to optimise performance.
- 2.5 End product accords with job instructions.
- 2.6 Tips are changed in accordance with manufacturer's instructions.

**Outcome 3**

Maintain and store rockbreaker.

**Performance criteria**

- 3.1 Operational servicing is carried out in accordance with manufacturer's instructions.
- 3.2 Rockbreaker is removed from excavator and is cleaned and stored horizontally in accordance with company requirements.
- 3.3 Routine maintenance is carried out on rockbreaker in accordance with manufacturer's instructions and company requirements.
- 3.4 Specialist servicing requirements are reported in accordance with company requirements.

**This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.**

**Status information and last date for assessment for superseded versions**

| Process       | Version | Date              | Last Date for Assessment |
|---------------|---------|-------------------|--------------------------|
| Registration  | 1       | 30 July 1996      | 31 December 2020         |
| Revision      | 2       | 9 March 1999      | 31 December 2020         |
| Review        | 3       | 30 May 2000       | 31 December 2020         |
| Review        | 4       | 25 September 2006 | 31 December 2020         |
| Review        | 5       | 24 January 2019   | 31 December 2020         |
| Reinstatement | 6       | 27 May 2021       | 31 December 2021         |

**Consent and Moderation Requirements (CMR) reference**

0101

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.