

PRODS07

Fixed sawing of dimension stone



Overview

Achievement of this standard demonstrates your competence in operating a fixed saw for cutting dimension stone. You will be able to perform prestart checks on the saw and the block stone to ensure that the operation can be carried out in a safe and stable manner, cut the stone to specification and deal with any problems that arise during the process, safely remove the stone once it is cut and complete the relevant documentation for company records.

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Performance criteria

- You must be able to:*
- P1 ensure work activities are carried out safely to avoid creating hazardous situations that may endanger operators of the work and other personnel
 - P2 follow correct lines of communication as laid down in local and organisational procedures
 - P3 carry out prestart checks on the sawing machinery and report any problems or defects to the appropriate responsible person(s)
 - P4 ensure that the block stone is positioned and secured for the cutting operation
 - P5 position the saw blade(s) to cut the block to specification
 - P6 operate the saw in accordance with organisational and manufacturers procedures
 - P7 monitor the quality and condition of the machinery and cut stone throughout the cutting operation
 - P8 deal with any mechanical problems in accordance with organisational and manufacturers procedures
 - P9 close down, isolate and secure the saw(s) post cutting in accordance with organisational and manufacturers procedures
 - P10 remove the cut stone from the sawing area and store safely
 - P11 update the relevant records and documents for the work carried out and associated checks
 - P12 maintain a clean and clear work area

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Knowledge and understanding

You need to know and understand:

- K1 approved procedures and practices in the context of the operations, the work activity and the workplace environment
- K2 responsibilities under the health and safety statutory requirements.
- K3 reporting lines and responsible persons in your area of work
- K4 the prestart checks that must be carried out on the machinery before cutting can commence
- K5 the methods of securing and positioning the block stone prior to cutting
- K6 how to interpret the specification and documentation required for the cutting operations
- K7 the correct settings for the control instrumentation
- K8 the methods used to mark the stone out for cutting
- K9 the methods for monitoring the cutting operation and actions taken in the event of faults
- K10 how the saw is shut down and secured in accordance with procedures
- K11 the methods of removing the cut block and storing safely
- K12 the documentation and records that must be completed for the operation
- K13 the methods of, and reasons for maintenance of a clean and clear work area

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Additional Information

Scope/range related to knowledge and understanding

- S1 Procedures and practices: organisational; environmental; regulatory; emergency; operational.

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Developed by	Proskills
Version number	1
Date approved	January 2013
Indicative review date	January 2018
Validity	Current
Status	Original
Originating organisation	Proskills
Original URN	PRODSO7
Relevant occupations	Coal Mining Operatives; Manager in Mining; Quarry workers and related operatives;
Suite	Dimension Stone
Key words	Extraction; extractives ;dimension stone; hydraulics; splitting; mineral; sawing