

Technical test - Practical Crusher - A42



Resources required

Machine	<ul style="list-style-type: none"> • Mobile or Static Crusher
Area	<ul style="list-style-type: none"> • Ground, clear of hazards able to accommodate the: <ul style="list-style-type: none"> - crusher - loading method - unprocessed material - processed material
Other equipment	<ul style="list-style-type: none"> • Sufficient material fit for processing • Method of loading material into the crusher • Assistance for loading • Harnesses and other specific PPE
Notes	<ul style="list-style-type: none"> • The machine selected for the test must not be less than 10 tonnes operating weight, be in serviceable condition and conform with current legislation • The operator's manual must be with the crusher • A specification for processed stone must be made available to the candidate • The crusher may be used in combination with a screener allowing a combined test

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Activity instructions

<p>Sequence</p>	<ul style="list-style-type: none"> • Activity 2 must be undertaken at the start of the test • Activity 11 must be undertaken at the end of the test <p>The test must be completed within a given time. The specifications' section gives further information</p>
<p>Preparing for work</p>	<ol style="list-style-type: none"> 1. Certify that the crusher is sited appropriately, stable, level and configured for crushing duties 2. Complete all manufacturers' pre-start checks as detailed in the operator's manual which must be referred to by the candidate during the activity <ul style="list-style-type: none"> • Additional information to be identified by the candidate referring to the operator's manual. Tester to decide what information will be identified
<p>Setting up for work</p>	<ol style="list-style-type: none"> 3. Ensure the material is suitable for crushing and set the crusher for the given specification 4. Ensure discharge area(s) is(are) suitable for receiving processed material 5. Agree the work process and signals with others involved in the crushing process 6. Start the crusher and engage all systems
<p>Working tasks <i>(refer to specifications)</i></p>	<ol style="list-style-type: none"> 7. Convert uncrushed material into processed material 8. Operate the crusher until a stockpile is produced that is 75% of the discharge conveyer height 9. During the crushing process, carry out an emergency stop of operations
<p>Completing work</p>	<ol style="list-style-type: none"> 10. Clear all material from the crusher and immediate area
<p>Shutting down</p>	<ol style="list-style-type: none"> 11. Carry out shut-down and securing procedures
<p>Notes</p>	<ul style="list-style-type: none"> • If this category is being used in combination with a screener, the work activity is complete only when a stockpile is produced that is 75% of the screener's discharge conveyer height (a combined tests exists for categories A42 and A43) • If the machine is hot, checks unable to be carried out (i.e. coolant) may be assessed by the Tester using verbal questions

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Activity measurements

Capacity	<ul style="list-style-type: none">75% of maximum working capacity (for the relevant material to be processed)
Test timings	<ul style="list-style-type: none">The test must be completed within 1 hour and 30 minutes

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Basic details

Test ref:	Candidate name:
Tester name:	Candidate ref:
Tester ref:	Date of test:
Make and model:	Start time of test:
	Duration:

Mandatory		Correctly carried out during the test?	Y/N
Preparing	1 Positioned in relevant location		
	2 Checked for stability, security and configured for processing duties		
	3 All pre-start and running checks (or responses to relevant questions)		
	4 Function of emergency stop		
	5 Positioning and security of safety rails and other devices		
Setting up	6 Checked discharge area for hazards prior to processing		
	7 Crusher set to meet given specification		
	8 Communication systems coordinated with others involved in the processing		
	9 Crusher started and all systems engaged in required sequence		
	10 Harness worn and attached		
	11 All systems checked for function prior to processing		
Working	12 Power unit set to required speed		
	13 Material flow to crushing chamber controlled to prevent overloading		
	14 Output of processed material kept above 75% of maximum operating capacity		
	15 Effective communication with others used during processing		
	16 Emergency stop demonstrated during processing		
	17 Used appropriate procedures if blockages occurred		
	18 Operator stayed in a safe place during work		
	19 No contact of discharge stockpile with the crusher		
Completing	20 Crusher cleared of material and disposed of following guidelines/regulations		
Shutdown	21 All shutdown and securing procedures		
Other	22 Legislation, manufacturers' and health and safety requirements complied with		
	23 Test completed within the given time		

All of these items must be awarded Achieved / Not achieved

Faults		Candidate incorrectly carried out the following:		
		Fault	Mark	Penalty
Travelling	1 Crusher mounting and dismounting		1	
	2 Identify information from the Operator's Manual		2	
	3 Full observation before starting and during processing		2	
	4 Unsuitable items removed before and during processing		3	
Working	5 Sequence of using controls		2	
	6 Smooth use of all controls		2	
Not exceeded eight penalties			Total penalties	
				Achieved / Not achieved