

# Advanced technical test - Practical

## Concrete pump - A44

### Trailer mounted



#### Resources required - Additional

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	<ul style="list-style-type: none"><li>• Pipeline equipment will include 1 x pipe reducer and 2 x 90 degree bends</li><li>• Pipeline length of at least 15 metres</li><li>• Limited vision from the pump to the pour point</li><li>• Catch basket and wash-out ball for cleaning purposes</li></ul>
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#### Activity instructions - Additional

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	<ul style="list-style-type: none"><li>• None additional</li></ul>
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#### Activity measurements - Additional

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<b>Pumping duration</b>	<ul style="list-style-type: none"><li>• Minimum of 30 minutes</li></ul>
<b>Test timings</b>	<ul style="list-style-type: none"><li>• The test is to be completed within 1 hour and 30 minutes</li></ul>

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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 All pre-start and running checks (or responses to relevant questions)		
	2 Function of emergency stop		
	3 Positioned in relevant location		
Setting up	4 Allocated area checked and clear of hazards prior to pumping		
	5 Trailer level and secure prior to pumping		
	6 Outriggers set for pumping duties (as applicable)		
	7 Relevant piping selected		
	8 Pipeline extended to work area avoiding hazards		
	9 Couplings compatible with, connected and locked to piping		
	10 Flexible piping checked for condition		
	11 Pipeline anchored, supported and secured		
	12 Pipeline conformed with specification		
Working	13 Pump engaged following required sequence		
	14 Pump function checked		
	15 Engine set to required speed		
	16 Pipeline grouted and lubricated with appropriate mix		
	17 Mix conformed with specification		
Completing	18 Material pumped to required location at the desired time		
	19 Waste material disposed of following guidelines and regulations		
Shutdown	20 All components dismantled and stored		
	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	
					Not exceeded five penalties
	1 Full observation before moving and during pumping		2		
	2 Identify information from the Operator's Manual		2		
	3 Material-carrying vehicle positioned to allow unloading of material		3		
Working	4 Followed signaller's instructions		2		
	5 Components and trailer thoroughly cleaned after use		2		
	6 Sequence of using controls		2		
	7 Smooth use of all controls		2		
				Total penalties	

Achieved / Not achieved