

Advanced technical test - Practical

Concrete pump - A06 - Truck mounted boom



Resources required - Additional

	<ul style="list-style-type: none">• The vehicle must have a minimum boom length of 26 metres, and have appropriate ground support pads and (if applicable) axle lift chains or blocks• Pipeline equipment will include 1 x pipe reducer and 2 x 90 degree bends• Catch basket and wash-out ball for cleaning purposes• Limited vision from the pump to the pour point
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Activity instructions - Additional

	<ul style="list-style-type: none">• The vehicle is to be reversed into a confined space. The vehicle is to be situated at a right angle to the confined space and at least 10 metres from the entry point prior to starting this manoeuvre
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Activity measurements - Additional

Reversing restrictions	<ul style="list-style-type: none">• 800 mm
Pumping duration	<ul style="list-style-type: none">• Minimum of 30 minutes
Test timings	<ul style="list-style-type: none">• The test must be collectively completed within 2 hours or until the pour has been completed

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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)		
Travelling	2 Restrictions cleared		
	3 Truck set for travel		
	4 Travel route checked for safe travelling		
	5 Encountered hazards cleared		
	6 Reversed into the confined space within two attempts		
Setting up	7 Allocated area checked and clear of hazards prior to pumping		
	8 Vehicle level and secured prior to pumping		
	9 Outriggers set for pumping duties (as applicable)		
	10 Axle(s) restrained (as applicable)		
	11 Relevant piping selected		
	12 Boom extended to work area avoiding hazards and structures		
	13 Couplings compatible with, connected and locked to piping		
	14 Flexible piping checked for condition		
	15 Piping anchored, supported and secured		
Working	16 Pipeline conformed with specifications		
	17 Pump engaged following required sequence		
	18 Pump function checked		
	19 Pipeline grouted and lubricated with appropriate mix		
	20 Mix conformed with specification		
Completing work	21 Material pumped to required location at the desired time		
	22 Waste material disposed of following guidelines and regulations		
Shut down	23 All components dismantled and stored		
	24 All shut down and securing procedures		
Other	25 Legislation, manufacturers' and health and safety requirements complied with		
	26 Test completed within the given time		

All of these items must be awarded Achieved / Not achieved

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AN NOCN JOB CARD

Faults		Candidate incorrectly carried out the following:	Fault	Mark	Penalty
Travelling	1	Truck mounting and dismounting		1	
	2	Identified information from the Operator's Manual		2	
	3	Full observation before moving and reversing		3	
	4	Full observation whilst travelling		2	
	5	Full observation before and during boom extending		2	
	6	Matching vehicle travel speed to ground and environmental conditions		1	
Working	7	Positioning material carrying vehicle to allow unloading of material		3	
	8	Following signaller's instructions		2	
	9	Cleaning components and vehicle thoroughly after use		2	
	10	Sequence of using hydraulic/lifting controls		2	
	11	Smooth use of steering/braking and hydraulic controls		1	
Not exceeded five penalties			Total penalties		
					Achieved / Not achieved