

Advanced technical test - Practical

Tower crane - A04



Resources required - Additional

	<ul style="list-style-type: none">• LOAD 4 <p>1 x load being a tube or structure not less than 6 metres in length able to be stood on one of its ends. (Care must be taken to ensure that the lifting gear for Load 4 is secure from horizontal to upright)</p> <p><i>Note: The candidate must hold the CPCS category of A40 to be eligible to undertake this advanced test.</i></p>
--	---

Activity instructions - Additional

	<p>Lift Load 4 to stand within several degrees of vertical on one of its ends. When vertical to the satisfaction of the tester, replace back to horizontal</p>
--	---

Activity measurements - Additional

Test timings	<ul style="list-style-type: none">• The test must be completed within 1 hour and 30 minutes
---------------------	---

Advanced technical test - Practical

Tower crane - A04



Basic details

Test ref:	Candidate name:
Tester name:	Candidate ref:
Tester ref:	Date of test:
Endorsement: A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/>	Start time of test:
Make and model:	Duration:

Mandatory	Correctly carried out during the test?	Y/N
Preparing	1 All pre-start and running checks (or responses to relevant questions)	
Setting up	2 All crane operations and limit switches checked	
	3 Area checked and safe prior to setting up for lifting and depositing loads	
	4 Jib positioning prior to lifting loads	
	5 Communication arrangements confirmed with the slinger/signaller	
Working tasks	6 SWL not exceeded at all times	
	7 Load integrity & stability maintained at all times	
	8 Loads did not contact any obstructions	
	9 Lifted, moved and lowered all loads in a controlled manner	
	10 All crane movements intentional	
	11 No shock loading	
	12 Instructions conformed with	
Shutdown	13 Loads left in a safe situation	
	14 All shut down and securing procedures	
Other	15 Crane placed into free slew mode	
	16 Legislation, manufacturers' and health and safety requirements complied with	
	17 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
Setting up	1 Crane climbing and descending (Endorsement A & B)		1	
	2 Identified information from the Operator's Manual		2	
Working tasks	3 Combined control use demonstrated/straight line kept during concrete pour		2	
	4 Full observation prior to moving loads fore and aft		2	
	5 Full observation before slewing		2	
	6 Lifting accessories kept clear of the ground (not dragging)		1	
	7 Load swings kept within 0.5 of a metre / rectify swinging		2	
	8 Placing all loads at the given points within the given tolerance		2	
	9 Lifting each load clear of surface and checked for integrity		2	
	10 Lifting all loads vertically (maximum sway – 250 mm)		2	
	11 Landing all loads vertically (maximum sway – 250 mm)		2	
	12 Sequence of using controls		2	
	13 Smooth use of controls		1	
Not exceeded five penalties		Total penalties		
				Achieved / Not achieved