

Hoist

A20

Technical Test – Practical

RESOURCES

Required

Machine	<ul style="list-style-type: none"> • Hoist
Area	<ul style="list-style-type: none"> • Ground, clear of hazards which must include: <ul style="list-style-type: none"> – an exclusion zone – above ground access points
Other equipment	<ul style="list-style-type: none"> • Load of a known weight • Loading assistance • Harness equipment (if applicable)
Notes	<ul style="list-style-type: none"> • The machine selected for the test must meet the specification for the required endorsement, be in serviceable condition and conform with current legislation • There must be at least 3 access points above ground level • The operator's manual must be with the hoist • A load weighing at least 1 tonne or 50% of the hoist's payload • The need and type of harness equipment may vary with different types of Hoist. A risk assessment must be undertaken to establish the correct type. Further information may be obtained from the Health and Safety Executive (HSE), The Construction Plant-hire Association (CPA), the International Powered Access Federation (IPAF) or other reputable organisations

ACTIVITY

Instructions

Sequence	<ul style="list-style-type: none"> • Activities 1–3 must be undertaken at the start of the test • Activity 12 must be undertaken at the end of the test • All other activities to be taken sequentially <p>The test must be completed within a given time. The specifications' section gives further information.</p>
Preparing for work	<ol style="list-style-type: none"> 1. Check that the hoist is positioned on firm level ground, secure and supported 2. Check that all related equipment is positioned as required by the manufacturer 3. Complete all manufacturers' pre-start and running checks and prepare the hoist for work
Setting up for work	<ol style="list-style-type: none"> 4. Prepare an exclusion zone in the relevant area 5. Agree the signal codes with the signaller 6. Travel the platform unladen to the full limits of operation 7. Carry out the emergency lowering procedure (passenger type only)
Working tasks (refer to specifications)	<ol style="list-style-type: none"> 8. Place the load within the platform 9. Travel the platform to a given level and remove the load 10. Place the load within the platform and travel to a different level 11. Travel the platform to an out-of-service level and remove the load
Shutting down	<ol style="list-style-type: none"> 12. Place the hoist out-of-service and secure
Notes	<ul style="list-style-type: none"> • At least three points shall be accessed including one with given signals • If the hoist is operated by an internal combustion engine and is hot, checks unable to be carried out (i.e. coolant) may be assessed by the Tester using verbal questions
Test timings	<ul style="list-style-type: none"> • The test must be completed within 1 hour

Hoist

A20

Technical Test - Practical

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

MANDATORY		Correctly carried out during the test?	Y / N
Preparing	1 Checked the work area for hazards prior to use		
	2 Checked the hoist was vertical prior to use		
	3 Checked the hoist was stable prior to use		
	4 All pre-start and running checks (or responses to relevant questions)		
Setting up	5 Allocated area checked and clear of hazards prior to work		
	6 Accessing area secured		
	7 Signal arrangements confirmed with the signaller		
	8 Harness equipment donned and attached (if required)		
	9 Safety devices checked for function and security		
	10 Emergency lowering function check		
	11 Platform travelled to limits of operation		
Working	12 Prepared platform and landing for load transfer		
	13 Accessed given landing points		
	14 Load secure in platform		
	15 Followed given instructions		
	16 Maintained stability at all times		
	17 Platform positioned at out-of-service level		
Shutdown	18 All out-of-service and securing procedures		
Other	19 Legislation, manufacturers' and health and safety requirements complied with		
	20 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 Platform loading and unloading			2	
	2 Full observation before moving			2	
	3 Full observation whilst travelling			2	
Working	4 Platform raised smoothly			2	
	5 Platform lowered smoothly			1	
	6 Intended direction selected for travel			2	
	7 Sequence of controls			1	
Not exceeded 8 penalties			Total penalties		
					Achieved / Not achieved

