

Advanced technical test - Practical

Tracked loading shovel - A22

Resources required - Additional

	<ul style="list-style-type: none">• The machine selected for the test must weight at least 15 tonnes• The load carrying vehicle must be rear tipping, have a minimum capacity equivalent to 6 full bucket loads of the loading shovel being used for the test
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Activity instructions - Additional

	<ul style="list-style-type: none">• Stop on the incline in the down direction (loaded) and reverse up the incline for at least 8 metres• Reverse the machine up to a structure (unaided)• Reinstate the excavating area back to level in two layers of 250 mm compacting between each layer
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Activity measurements - Additional

Manoeuvring restrictions	<ul style="list-style-type: none">• 600 mm
Reversing to structure dimensions	<ul style="list-style-type: none">• No more than the distance equivalent to $\frac{1}{2}$ the track length of the machine
Loading vehicle	<ul style="list-style-type: none">• Loaded to capacity twice
Test timings	<ul style="list-style-type: none">• The test must be completed within 2 hours

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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 Loading shovel set for travel		
	3 Restrictions and hazards cleared		
	4 Full control maintained when ascending and descending slopes		
	5 No opposite movement of intended direction when restarting on slopes		
	6 Travel direction on slopes		
	7 Straight line kept during reversing activity		
Setting up	8 Reversed up to structure within specification		
	9 Allocated area checked and clear of hazards prior to extracting and loading		
Working	10 Excavation conforms to stated sizes and tolerances		
	11 Smooth ramp to the excavation		
	12 Loading vehicle positioning prior to loading		
	13 Vehicle loaded to capacity		
	14 Vehicle evenly loaded but not overloaded		
	15 Spillage of material kept to minimum		
	16 Loading shovel stable during activities		
Shutdown	17 Excavated area reinstated in two layers		
	18 All shutdown 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

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Faults

Candidate incorrectly carried out the following:

		Fault	Mark	Penalty
Travelling	1 Loading shovel mounting and dismounting		1	
	2 Identify information from the Operator's Manual		2	
	3 Full observation before moving and reversing		3	
	4 Full observation whilst travelling		2	
	5 Transmission drive engaged smoothly		1	
	6 Travel speed matched to the ground type and conditions		1	
Working	7 Bucket kept low at all times (except during loading work)		2	
	8 Minimised ground damage when turning		1	
	9 Full bucket loads maintained (except for cleaning work)		2	
	10 Material cleanly placed into the loading vehicle		1	
	11 Contact with vehicle avoided when loading		2	
	12 Use of steering/braking/hydraulic controls		1	
Not exceeded five penalties		Total penalties		

Achieved / Not achieved
