

Advanced technical test - Practical

Wheeled loading shovel - A21



Resources required - Additional

	<ul style="list-style-type: none">• The machine selected for the test must weight at least 12 tonnes and be articulated• 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">• Pass through a restricted chicane using full left- and right-hand steering lock• Stop on the incline in the down direction (un-laden) and reverse up the incline for at least 8 metres• Reverse the machine up to a structure (unaided)• Material loaded into the vehicle must be tipped and put back to the original source location. Clean and tidy all working areas
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Activity measurements - Additional

Travel and chicane 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 ½ the wheelbase 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 1 hour and 15 minutes

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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		
	8 Reversed up to structure within specification		
Setting up	9 Allocated area checked and clear of hazards prior to extracting and loading		
Working	10 Ramp created to specification		
	11 Loading vehicle positioning prior to loading		
	12 Vehicle loaded to specification		
	13 Vehicle evenly loaded but not overloaded		
	14 Spillage of material kept to minimum		
	15 Loading shovel stable during activities		
Completing	16 Working area cleaned after loading		
Shutdown	17 All shutdown and securing procedures		
Other	18 Legislation, manufacturers' and health and safety requirements complied with		
	19 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 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			2	
Working	7 Bucket kept low at all times (except during loading work)			2	
	8 Wheel spin minimised			1	
	9 Full bucket loads maintained (except for cleaning work)			2	
	10 Material cleanly placed into the loading vehicle			2	
	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