

Soil/Landfill Compactor

A32

Technical Test – Practical

RESOURCES

Required

Machine	<ul style="list-style-type: none"> • Soil/Landfill Compactor fitted with a standard blade
Area	<p>Landfill compactor:</p> <ul style="list-style-type: none"> • Landfill type ground, clear of hazards which must include: <ul style="list-style-type: none"> – sloping face for waste depositing – rough terrain <p>Soil compactor:</p> <ul style="list-style-type: none"> • Level ground, clear of hazards which must include: <ul style="list-style-type: none"> – rough terrain – slope or slopes
Other equipment	<ul style="list-style-type: none"> • Items to create restrictions for manoeuvring • Delivery of relevant spreadable material or materials
Notes	<ul style="list-style-type: none"> • The machine selected for the test must be in serviceable condition and conform with current legislation • The operator's manual must be with the compactor • Soil compactor – The slope must have at least an 18% (1:5.5) incline with sufficient manoeuvring room at the top, or a straight ramp with an up and down route with a flat area at the summit

ACTIVITY

Instructions

Sequence	<ul style="list-style-type: none"> • Activity 1 must be undertaken at the start of the test • Activities 2 and 4 can be undertaken at any time during the test • Activity 6 must be undertaken at the end of the test <p>The test must be completed within a given time. The specifications' section gives further information.</p>
Preparing for work	1 Complete all manufacturers' pre-start and running checks and prepare the compactor for travel
Travelling & manoeuvring (refer to specifications)	2 Travel to the work area and: <ul style="list-style-type: none"> – travel up and down the slope (soil compactor only) – pass through a restriction (in forward and reverse) – travel over rough terrain
Setting up for work	3 Prepare and set the compactor for the relevant work
Working tasks (refer to specifications)	4 Spread dumped loads in even layers on the sloping face (Landfill compactors) or on a level area (Soil compactors)
Completing work	5 Form a cover over the spread material and level
Shutting down	6 Park the compactor and carry out shut-down and securing procedures
Notes	<ul style="list-style-type: none"> • For the purposes of the test, a pass is constituted as compacting in one direction and returning in the same track • If the machine is hot, checks unable to be carried out (i.e. coolant) may be assessed by the Tester using verbal questions

Activity measurements

Travel restrictions	<ul style="list-style-type: none"> • 800 mm
Compacting duty	<ul style="list-style-type: none"> • Spread material to be compacted using a minimum of 3 passes
Work efficiency	<ul style="list-style-type: none"> • Machine to be operated at 75% of maximum working capacity and using full loads on the blade
Test timings	<ul style="list-style-type: none"> • The test must be completed within 1 hour and 45 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 Compactor set for travel		
	3 Restrictions cleared		
	4 Encountered hazards cleared		
	5 Control maintained when ascending and descending inclines		
Setting up	6 Allocated area checked and clear of hazards prior to compacting		
Working	7 Full blade loads maintained		
	8 Starting position and gear/speed selection		
	9 Avoided stopping on uncompacted material		
	10 Even spread of material maintained		
	11 Bulk items placed at bottom of slope		
	12 Blade lowered and adjusted smoothly during work		
	13 Overlapped spread material		
Completing	14 Compacted to given specification		
	15 Cover material evenly spread and consistent		
Shutdown	16 All shutdown and securing procedures		
Other	17 Legislation, manufacturers' and health and safety requirements complied with		
	18 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	Compactor mounting and dismounting		1	
	2	Full observation before moving and reversing		3	
	3	Full observation whilst travelling and reversing		2	
	4	Travel speed matching to the ground type and conditions		1	
Working	5	Control of throttle and speed selection		2	
	6	Siting and setting for compacting		2	
	7	No evidence of windrows		2	
	8	Feathering out at the end of a pass		1	
	9	Overrunning after dumping load		2	
	10	Minimising short working cycles		2	
	11	Smooth use of steering and hydraulic controls		1	
	12	Sequence of using steering/hydraulic controls		1	
Not exceeded 8 penalties				Total penalties	
					Achieved / Not achieved

