Trencher

A37

Technical Test – Practical

RESOURCES

	Required
Machine	• Trencher
Area	• Ground, clear of hazards which must include: – level area and inclines to allow excavations up to 2.0 metres deep – rough terrain – slope or slopes
Other equipment	• Load-carrying vehicle for spoil/material (optional) • Items to create restrictions for manoeuvring • Laser equipped measuring equipment to ensure trench specifications are met
Notes	• The machine selected for the test must meet the specification for the required endorsement, be in serviceable condition and conform with current legislation • The operator's manual must be with the excavator • 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 • The load-carrying vehicle, if used, must be able to accommodate all the spoil extracted whilst excavating one of the trenches

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ACTIVITY

Instructions	
Sequence	• Activities 1 – 7 to be undertaken in a sequential order except • Activity 6 to be undertaken with activities 4 and 5 • Activity 2 can be undertaken at any time during the test • Activity 7 must be undertaken on completion of the test The test must be completed within a given time. The specifications' section gives further information.
Preparing for work	1 Complete all manufacturers' pre-start and running checks and prepare the trencher for travel
Travelling & manoeuvring (refer to specifications)	2 Travel to the work area and: – travel up and down the slope – pass through a restriction – travel over rough terrain
Setting up for work	3 Prepare and set the trencher for the relevant work
Working tasks (refer to specifications)	4 Complete 2 x vertical trenches in a 'T' formation 5 Complete a straight excavation with vertical sides along the sloping ground 6 Load material into a vehicle or in windrows
Shutting down	7 Park the trencher and carry out shut-down and securing procedures
Notes	• 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	• 600 mm
Trench depth	• 1.0 metre ±35 mm and straight within ±60 mm
Trench lengths	• Each trench to be a minimum of 10 metres long
Test timings	• The test must be completed within 1 hour and 15 minutes

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CP CONSTRUCTION PLANT
CS COMPETENCE SCHEME

Trencher

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Technical Test – Practical

Basic details		
	Test reference	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	Trencher set for travel	
	3	Restrictions and hazards cleared	
	4	Maintained control on inclines	
Setting up	5	Allocated area checked and clear of hazards prior to excavating	
Working	6	Trencher laterally level whilst excavating	
	7	Chain/wheel sequence of events for ground engagement followed	
	8	Excavated material clear of trench	
	9	Trenches conform to the stated sizes and tolerances	
	10	Conveyer(s) set to remove spoil clear of cut	
	11	Cutting speed matched to load	
	12	Depth controlled on sloping ground	
Shutdown	13	All shutdown and securing procedures	
Other	14	Legislation, manufacturers' and health and safety requirements complied with	
	15	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	Trencher mounting and dismounting		1	
	2	Full observation before moving		2	
	3	Full observation whilst travelling		2	
	4	Full observation before reversing		3	
	5	Observation maintained whilst excavating		2	
	6	Drive sprockets kept to the rear when travelling (tracked units only)		1	
	7	Travel speed matched to the ground type and conditions		1	
	8	Tight turns avoided when travelling (tracked machines only)		1	
Working	9	Site and set for excavating		2	
	10	Edges of the excavations clean and clear		2	
	11	Material cleanly placed into the loading vehicle (where applicable)		2	
	12	Use of steering/hydraulic controls		2	
		Not exceeded 8 penalties	Total penalties		
			Achieved / Not achieved		

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Tester observations	
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Sign off	
	I confirm that I have carried out the Practical Technical Test in accordance with CPCS requirements and that the candidate has: Achieved ☐ Not achieved ☐ **Candidate signature:** ..... **Tester signature:** .....

CITB-ConstructionSkills Grant claim details	
	Grant is only payable for the award of a full Technical Test or Advanced Technical Test pass (both practical and theory elements to a maximum of 2 categories in any Grant Scheme year) in accordance with the full Grant Scheme rules. Employer **does not** intend to claim a Technical Test pass grant ☐ No further information required Employer **does** intend to claim a Technical Test pass grant ☐ Please complete additional fields below **CITB-ConstructionSkills Levy Grant Registration Number (7 digits)** ☐☐☐☐☐☐☐ **Employer Name** ..... **Employer Postcode** .....

Internal use	

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