

Advanced technical test - Practical

Motorised scraper - A24



Resources required - Additional

	<ul style="list-style-type: none">• An appropriate pusher tractor (mandatory)• An excavation area of at least 50 metres x 10 metres with sufficient area for spoil depositing, transporting and stockpile forming
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Activity instructions - Additional

	<ul style="list-style-type: none">• Additions to activity 2:<ul style="list-style-type: none">- pass through a chicane executing full left- and right-hand turns having a clearance of no more than the machine width plus 30%- stop and restart on the incline in the up direction- stop and restart on the incline in the down direction• Replaces activity 5:<ul style="list-style-type: none">- demonstrate self-loading by topsoil stripping a shallow cut of 300 mm over an excavation area, feathering out at the end of the cut, leaving a level bottom. Haul to a stockpiling area and dump the arisings to one side in a single width windrow• Return to the cut and continue excavating shallow cuts over the same area to the final depth whilst being push loaded. Haul the material to the stockpiling area and dump the material in layers to form a mound
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Activity measurements - Additional

Excavation depth	<ul style="list-style-type: none">• 600 mm
Excavation area	<ul style="list-style-type: none">• 50 metres x 10 metres minimum
Test timings	<ul style="list-style-type: none">• The test must be completed within 2 hours and 30 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 Scraper set for travel		
	3 Restrictions cleared		
	4 Encountered hazards cleared		
	5 Control maintained when ascending and descending inclines		
	6 No opposite direction movements on inclines on restarting		
Setting up	7 Allocated area checked and clear of hazards prior to excavating		
Working	8 Positioned accurately within the cut		
	9 Bowl filled to capacity		
	10 Depth of cut controlled		
	11 No of runs		
	12 Signalling procedures when working with pusher machine		
	13 Minimised wheel spin		
	14 Maintained stability		
	15 Matched speed with pusher machine		
16 Excavated area reinstated back to the original contours			
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

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AN NOCN JOB CARD

Faults

Candidate incorrectly carried out the following:

		Fault	Mark	Penalty
Travelling	1	Scraper 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 and reversing	2	
	5	Travel speed matched to the ground type and conditions	1	
	6	Control of throttle and gear selection	2	
Working	7	Fill area entered at appropriate speed	1	
	8	Feather out at the end of each cut	2	
	9	Site and set for excavating	2	
	10	Trench excavated in layers	1	
	11	Ejector and bowl height reset after depositing each load	2	
	12	Loads discharged in a continuous layer	1	
	13	Smooth use of steering and hydraulic controls	2	
	14	Sequence of using steering/hydraulic controls	1	
Not exceeded five penalties			Total penalties	

Achieved / Not achieved
