

Demolition Plant

A65

Technical Test – Practical

RESOURCES

Required

Machine	<ul style="list-style-type: none"> Demolition adapted 360 Excavator: <ul style="list-style-type: none"> fitted with the relevant attachment
Area	<ul style="list-style-type: none"> Ground, clear of hazards which must include: <ul style="list-style-type: none"> rough terrain slope or slopes stockpile of mixed material (for sorting purposes) structure for demolishing area for attachment changing activity
Other equipment	<ul style="list-style-type: none"> Load-carrying vehicle for material A replacement attachment Items to create restrictions for manoeuvring Method statement applicable to the demolishing process
Notes	<ul style="list-style-type: none"> The machine selected for the test must meet the specification for the required endorsement, be in serviceable condition and conform with current legislation Endorsement A – a standard 360 excavator with the appropriate re-handling attachment may be used Assistance may be supplied for attachment changing The operator's manual (including the attachment) must be with the machine Endorsements A and B only – 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 Endorsements C and D only – a ramp having a gradient of 10 degrees and at least 4 metres wider than the track frame width of the machine The stockpile (for sorting purposes) must be of sufficient quantity to allow at least 30 minutes of operation The structure must be of sufficient content to allow at least 40 minutes of operation and be at least 30% of the attachment's operated height The nominated area must be safe and supported by an appropriate risk assessment The load-carrying vehicle must have a minimum capacity equivalent to 6 full bucket loads of the excavator being used for the test <p style="text-align: right;"><i>continued...</i></p>

RESOURCES (CONTINUED)

Required

Notes continued	<ul style="list-style-type: none"> The endorsement descriptions are defined as: <ul style="list-style-type: none"> Endorsement A: Material processing – equipped with mechanical or hydraulic attachment (grab / claw) to select and stockpile like materials Endorsement B: Demolishing up to 15 metres – height that the demolishing attachment can reach and relates to the attachment to dipper pin height Endorsement C: Demolishing up to 30 metres – known as high reach, height that the demolishing attachment can reach and relates to the attachment to dipper pin height Endorsement D: Demolishing all heights – above 30 metre machines known usually as ultra-high reach
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Further clarification about Demolition Plant categories and endorsements may be found at www.demolition-nfdc.com or by contacting info@demolition-nfdc.com

ACTIVITY

Instructions

Sequence	<ul style="list-style-type: none"> Activity 1 must be undertaken at the start of the test Activities 4 to 7 can be undertaken in any order during the test Activity 9 must be undertaken at the end of the test
Preparing for work	1 Complete all manufacturers' pre-start and running checks and prepare the machine 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 (relevant to each endorsement) – pass through a restriction – travel over rough terrain
Setting up for work	3 Prepare and set the machine for the relevant work 4 Change the attachment to a different type
Working tasks (refer to specifications)	5 From a stockpile of different materials, sort, segregate and form stockpiles of similar materials 6 Load sorted materials into a vehicle 7 Demolish a structure 8 Tidy up and make safe the working area
Shutting down	9 Park the machine and carry out shut-down and securing procedures
Notes	<ul style="list-style-type: none"> If the machine is hot, checks unable to be carried out (i.e. coolant) may be assessed by the Tester using verbal questions

ACTIVITY (CONTINUED)

Activity measurements

Travel restrictions	<ul style="list-style-type: none">• 800 mm
Sorting activity (5 and 8)	<ul style="list-style-type: none">• To be carried out for a minimum time of 30 minutes
Demolishing activity (7 and 8)	<ul style="list-style-type: none">• To be carried out for a minimum time of 40 minutes
Loading vehicle (6 and 8)	<ul style="list-style-type: none">• Loaded to capacity

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Basic details	Test ref.	Candidate name
	Tester name	Candidate ref.
	Tester ref.	Date of test
	Endorsement A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>	Start time of test
	Make and model	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 Restrictions cleared			
	3 Machine set for travel			
	4 Encountered hazards cleared			
	5 Boom/dipper arm position when ascending and descending inclines			
Setting up	6 Faced direction of travel whilst travelling			
	7 Allocated area checked and clear of hazards prior to carrying out the activity			
Working (attachment)	8 Positioned and set for the activity			
	9 Machine disabled prior to disconnecting hydraulic hoses			
	10 Hoses removed and fitted following required sequence			
	11 Attachment prepared/positioned/supported prior to removal and fitting			
	12 Attachment removed and fitted following required sequence			
	(demolishing)	13 Checked attachment was secure prior to use		
		14 Functional check carried out prior to use		
		15 Checked exclusion area for size and security		
		16 Maintained check on effectiveness of exclusion zone during work		
	(sorting)	17 Structure demolished following method statement or given instructions		
		18 Sequence of hydraulic controls		
		19 Smooth use of all controls		
		20 Maintained stability of the machine		
	(loading)	21 Material sorted and stockpiled into like materials		
22 Complied with environmental requirements				
23 Sequence of hydraulic controls				
24 Smooth use of all controls				
Shutdown	25 Materials loaded as per given specification			
	26 Sequence of hydraulic controls			
	27 Smooth use of all controls			
	28 Vehicle evenly loaded but not overloaded			
Other	29 Working areas safe and secure after work			
	30 All shutdown and securing procedures			
	31 Legislation, manufacturers' and health and safety requirements complied with			

All of these items must be awarded

Achieved / Not achieved

FAULTS

Candidate incorrectly carried out the following:

		Fault	Mark	Penalty
Travelling	1 Machine mounting and dismounting		1	
	2 Full observation before moving		3	
	3 Full observation whilst travelling		2	
	4 Observation before slewing upper structure		2	
	5 Drive sprockets kept to the rear when travelling		1	
	6 Travel speed matched to the ground type and conditions		1	
	7 Tight turns avoided when travelling (tracked machines only)		1	
Working	8 Material cleanly placed into the loading vehicle		2	
	9 Contact with vehicle avoided when loading		3	
	10 Use of track controls		2	
Not exceeded 8 penalties			Total penalties	
				Achieved / Not achieved

