

Dump Truck

Articulated Chassis

A56

Technical Test – Practical

RESOURCES

Required

Machine	<ul style="list-style-type: none"> Articulated rear-tipping dump truck
Area	<ul style="list-style-type: none"> Ground, clear of hazards which must include: <ul style="list-style-type: none"> rough undulating terrain slope or slopes a stockpile of material for loading a straight run for reversing trench or edge for unloading purposes
Other equipment	<ul style="list-style-type: none"> Machine to load material Edge protection Items to create restrictions for manoeuvring
Loads	<ul style="list-style-type: none"> Suitable and sufficient material for loading and discharging
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 The operator's manual must be with the dump truck 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 straight run for reversing must be at least 50 metres long The trench or an edge must be at least 1 x metre deep and a minimum of 3 x the machine's width Edge protection must be of substantial build to restrain a machine from inadvertently entering the trench

ACTIVITY

Instructions

Sequence	<ul style="list-style-type: none"> • Activity 1 must be undertaken at the start of the test • Activity 2 may be spread over the period of the test • Activity 7 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 dump truck for travel
Travelling & manoeuvring (refer to specifications)	2. In a loaded and unloaded state: <ul style="list-style-type: none"> – travel up and down the slope – stop and start on the slope in the up direction – stop and start on the slope in the down direction – stop on the slope in the down direction and reverse back up for a minimum of 5 metres – drive through a restriction (unladen only) – travel over rough terrain – reverse (loaded only) in a straight line for a minimum of 50 metres and pass through a restriction at the end of the run
Setting up for work	3. Position dump truck for loading
Working tasks (refer to specifications)	4. Receive a load 5. Discharge the load into the edge or excavation
Completing work	6. Clean out the body fully
Shutting down	7. Park the dump truck 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 measurements

Travelling restriction	<ul style="list-style-type: none"> • 800 mm
Reversing direction	<ul style="list-style-type: none"> • 1 metre
Discharging	<ul style="list-style-type: none"> • Minimum of 3 times (activity 5)
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
	Endorsement A <input type="checkbox"/> Endorsement B <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 Dump truck 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 Straight line kept for loaded reversing activity		
Setting up	7 Allocated area checked and clear of hazards prior to being loaded		
Working	8 Safe place selected during loading		
	9 Appropriate speed used when reversing to the discharge point		
	10 Edge protection applied or checked and used prior to discharging load		
	11 Parking brake applied and neutral selected before discharging loads		
	12 Vehicle marginally moved forward after discharging to clear body		
13 Body fully lowered before leaving discharge point			
Completing	14 Body clean of material		
Shutdown	15 All shutdown and securing procedures		
Other	16 Legislation, manufacturers' and health and safety requirements complied with		
	17 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	Dump truck mounting and dismounting		1	
	2	Full observation before moving and reversing		3	
	3	Full observation whilst travelling		2	
	4	Travel speed matched to the ground type and conditions		2	
	5	Transmission drive engaged smoothly from rest		2	
	6	Gear ratios matched to ground speed		1	
Working	7	Dump truck positioned correctly for loading		2	
	8	Dump truck positioned square to the discharge edge prior to discharging		2	
	9	Body fully emptied after discharging		2	
	10	Smooth use of steering and braking controls		1	
Not exceeded 8 penalties			Total penalties		
					Achieved / Not achieved

