

Advanced On-Site Assessment

Dump truck - A56

Articulated chassis



Resources required

Machine	<ul style="list-style-type: none"> • Articulated rear-tipping dump truck • Endorsement A – machine capacity of not less than 10 tonnes • Endorsement B – machine capacity of not less than 25 tonnes
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 – this can be done as part of live site work
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 and all other related supporting documents such as risk assessments etc. must be with the dump truck • The slope must have at least an 18% (1:5.5) incline • 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/exceeding the edge • *In situations where operations do not allow tipping over edges, or the formation of trenches because of the nature of the ground, a pre-formed stockpile of adequate size may be used but which has a defined edge for tipping over and appropriate edge protection. Three loads need to be discharged but need not be 3 x the machine’s width

<p>Sequence</p>	<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>
<p>Preparing for work</p>	<ol style="list-style-type: none"> 1. Complete all manufacturers' pre-start and running checks and prepare the dump truck for travel as detailed in the operator's manual which must be referred to by the candidate during the activity <ul style="list-style-type: none"> • Additional information to be identified by the candidate referring to the operator's manual. Tester to decide what information will be identified
<p>Travelling & manoeuvring <i>(refer to specifications)</i></p>	<ol style="list-style-type: none"> 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 - from the start of the 50 metre run fully accelerate the truck loaded and carry out an emergency controlled stop when 40 metres distance has been covered - Reverse (loaded) in a straight line for a minimum of 50 metres and pass through a restriction at the end of the run. At a point halfway along the route negotiate an obstruction located on the centre line of the route - Reverse the truck up to a structure unaided
<p>Setting up for work</p>	<ol style="list-style-type: none"> 3. Position dump truck for loading 4. Establish communication with the loading machine operator
<p>Working tasks <i>(refer to specifications)</i></p>	<ol style="list-style-type: none"> 5. Receive a load which fills the body to capacity 6. Discharge the loads over the edge or into the excavation 7. Form a stockpile
<p>Completing work</p>	<ol style="list-style-type: none"> 8. Clean out the body fully
<p>Shutting down</p>	<ol style="list-style-type: none"> 9. Park the dump truck and carry out shut-down and securing procedures
<p>Notes</p>	<ul style="list-style-type: none"> • The candidate is to ensure that suitable edge protection is in place prior to discharging the load (as per Mandatory point 10 on grading sheet) • If the machine is hot, checks unable to be carried out (i.e. coolant)

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	may be assessed by the Tester using verbal questions
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Activity measurements

Travelling restriction	<ul style="list-style-type: none">• 600 mm
Reversing direction	<ul style="list-style-type: none">• 1 metre
Reversing to a structure	<ul style="list-style-type: none">• No more than the distance equivalent to 1/3 of the wheelbase of the truck
Emergency stop	<ul style="list-style-type: none">• To be halted within 10 metres
Discharging	<ul style="list-style-type: none">• Minimum of 3 times (activity 5 and 6)
Forming a stockpile	<ul style="list-style-type: none">• Minimum of 2 loads (activity 7)
Test timings	<ul style="list-style-type: none">• The test must be completed within 1 hour

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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"/>	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 as per the manufacturers' operating handbook (or responses to relevant questions)		
	2 Identify and select correct PPE and weather-related equipment to be worn		
Travelling	3 Dump truck set for travel		
	4 Restrictions and hazards cleared		
	5 Full control maintained when ascending and descending slopes		
	6 No opposite movement of intended direction when restarting on slopes		
	7 Cleared obstruction during reversing and stayed with parameters		
	8 Reversed up to a structure within specification		
	9 Emergency stop controlled		
Setting up	10 Allocated area checked and clear of hazards prior to being loaded or controlled as per risk assessment		
	11 Establish communication with loading machine operator		
Working	12 Safe place selected during loading		
	13 Appropriate speed used when reversing to the discharge point		
	14 Edge protection applied or checked and used prior to discharging load		
	15 Load discharged cleanly over edge protection		
	16 Parking brake applied and neutral selected before discharging loads		
	17 Vehicle marginally moved forward after discharging to clear body		
	18 Body fully lowered before leaving discharge point		
Completing	19 Body clean of material		
Shutdown	20 All shutdown and securing procedures		
Other	21 Legislation, manufacturers' and health and safety requirements complied with		
	22 Test completed within the given time		

All of these items must be awarded

Achieved / Not achieved

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Faults		Candidate incorrectly carried out the following:	Fault	Mark	Penalty
Travelling	1	Dump truck 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		2	
	5	Travel speed matched to the ground type and conditions		2	
	6	Transmission drive engaged smoothly from rest		2	
	7	Gear ratios matched to ground speed		1	
Working	8	Dump truck positioned correctly for loading		2	
	9	Dump truck positioned square to the discharge edge prior to discharging		2	
	10	Body fully emptied after discharging		2	
	11	Smooth use of steering and braking controls		1	
Not exceeded five penalties			Total penalties		
Achieved / Not achieved					