

# Technical test - Practical

## Dump truck - Rigid - A57



### Resources required

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

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### Activity instructions



<p><b>Sequence</b></p>	<ul style="list-style-type: none"> <li>• Activity 1 must be undertaken at the start of the test</li> <li>• Activity 2 may be spread over the period of the test</li> <li>• Activity 7 must be undertaken at the end of the test</li> </ul> <p>The test must be completed within a given time. The specifications' section gives further information</p>
<p><b>Preparing for work</b></p>	<ol style="list-style-type: none"> <li>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"> <li>• Additional information to be identified by the candidate referring to the operator's manual. Tester to decide what information will be identified</li> </ul> </li> </ol>
<p><b>Travelling &amp; manoeuvring</b> <i>(refer to specifications)</i></p>	<ol style="list-style-type: none"> <li>2. In a loaded and unloaded state:             <ul style="list-style-type: none"> <li>- travel up and down the slope</li> <li>- stop and start on the slope in the up direction</li> <li>- stop and start on the slope in the down direction</li> <li>- stop on the slope in the down direction and reverse back up for a minimum of 5 metres</li> <li>- drive through a restriction (unladen only)</li> <li>- travel over rough terrain</li> <li>- reverse (loaded only) in a straight line for a minimum of 50 metres and pass through a restriction at the end of the run</li> </ul> </li> </ol>
<p><b>Setting up for work</b></p>	<ol style="list-style-type: none"> <li>3. Position dump truck for loading</li> </ol>
<p><b>Working tasks</b> <i>(refer to specifications)</i></p>	<ol style="list-style-type: none"> <li>4. Receive a load which fills the body to capacity</li> <li>5. Discharge the load over the edge or into the excavation</li> </ol>
<p><b>Completing work</b></p>	<ol style="list-style-type: none"> <li>6. Clean out the body fully</li> </ol>
<p><b>Shutting down</b></p>	<ol style="list-style-type: none"> <li>7. Park the dump truck and carry out shut-down and securing procedures</li> </ol>
<p><b>Notes</b></p>	<ul style="list-style-type: none"> <li>• If the machine is hot, checks unable to be carried out (i.e. coolant) may be assessed by the Tester using verbal questions</li> </ul>

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### Activity measurements

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<b>Travelling restriction</b>	<ul style="list-style-type: none"><li>• 800 mm</li></ul>
<b>Reversing restriction</b>	<ul style="list-style-type: none"><li>• 1 metre</li></ul>
<b>Discharging</b>	<ul style="list-style-type: none"><li>• Minimum of 3 times (activity 5)</li></ul>
<b>Test timings</b>	<ul style="list-style-type: none"><li>• The test must be completed within 1 hour and 30 minutes</li></ul>

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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
<b>Preparing</b>	1 All pre-start and running checks (or responses to relevant questions)		
<b>Travelling</b>	2 Dump truck set for travel		
	3 Restrictions cleared		
	4 Encountered hazards cleared		
	5 Full control maintained when ascending and descending slopes		
	6 No opposite movement of intended direction when restarting on slopes		
	7 Straight line kept for loaded reversing activity		
	<b>Setting up</b>	8 Allocated area checked and clear of hazards prior to being loaded	
<b>Working</b>	9 Safe place selected during loading		
	10 Appropriate speed used when reversing to the discharge point		
	11 Edge protection applied or checked and used prior to discharging load		
	12 Parking brake applied and neutral selected before discharging loads		
	13 Vehicle marginally moved forward after discharging to clear body		
	14 Body fully lowered before leaving discharge point		
<b>Completing</b>	15 Body clean of material		
<b>Shutdown</b>	16 All shutdown and securing procedures		
<b>Other</b>	17 Legislation, manufacturers' and health and safety requirements complied with		
	18 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
<b>Travelling</b>	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	Transmission drive engaged smoothly from rest		2	
	6	Travel speed matched to the ground type and conditions		2	
	7	Gear ratios matched to ground speed		1	
<b>Working</b>	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		3	
<b>Not exceeded eight penalties</b>			<b>Total penalties</b>		
<input type="checkbox"/> Achieved / Not achieved <input type="checkbox"/>					