

# ARTICULATED HAUL TRUCK

# Learner Workbook

(Formative assessment)



# STUDENT COPY

**RIIMPO337E – Conduct articulated haul truck operations**



Learner Name: \_\_\_\_\_

Student Number: \_\_\_\_\_ Date: \_\_\_\_\_

This resource was developed by:



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## Knowledge Assessment



The assessor must be satisfied the candidate has successfully demonstrated each element and performance criteria contained in the Unit of Competency.

## Knowledge Assessment Instructions



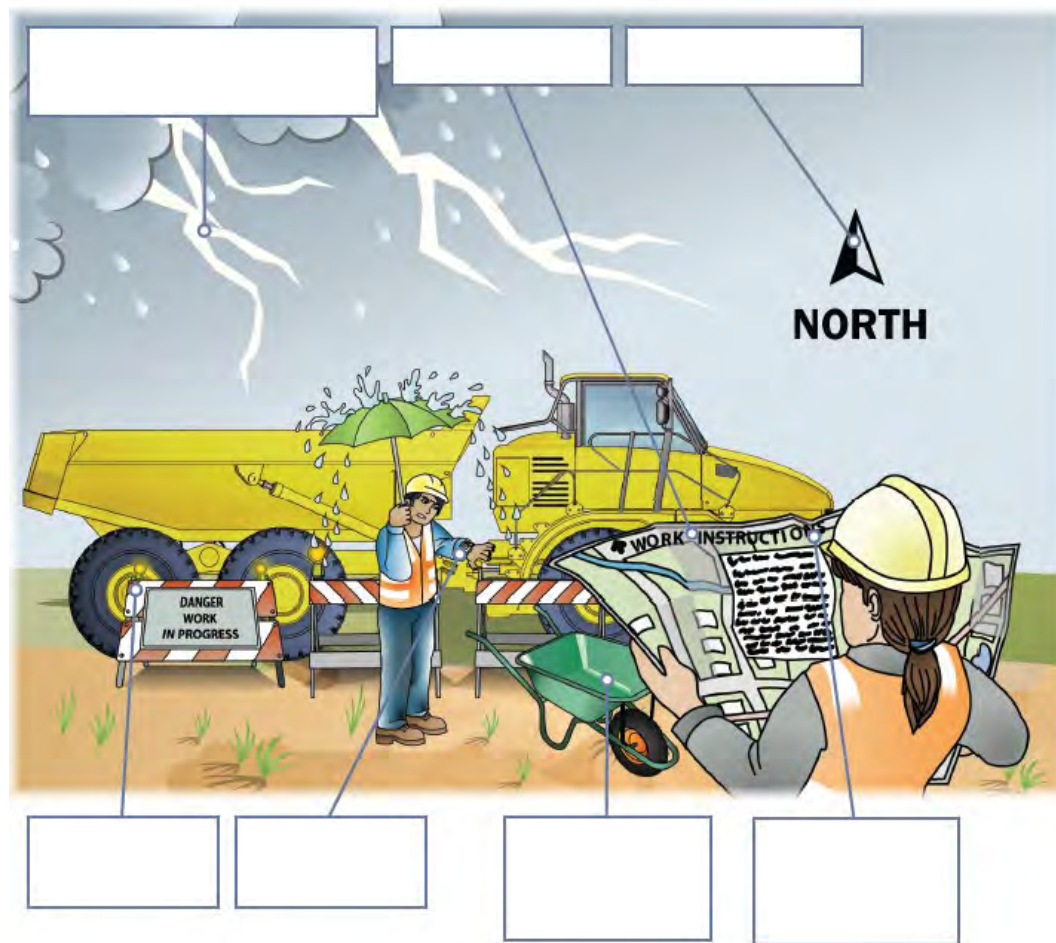
1. This assessment should be completed in writing (pen not pencil). However, where necessary it may be undertaken verbally. If verbal assessment is undertaken the candidates' responses must be clearly recorded by the assessor. The assessor must clearly note on the assessment that it was undertaken verbally.
2. Candidates should be allowed 10 minutes reading time before commencing the assessment and a further 180 minutes to complete the assessment.
3. The assessment should be completed in a quiet area free from distraction.
4. The assessment is to be completed without the assistance of learning resources. Students may ask the assessor for assistance to clarify questions they do not understand.
5. A pass mark of 90% (77/85) must be achieved for a satisfactory result. The assessor must provide feedback to the candidate to clarify any answers deemed to be incorrect.
6. Reasonable adjustment to the assessment is to be made by the assessor where deemed necessary.



**Question 12**

**PC (1.2)**

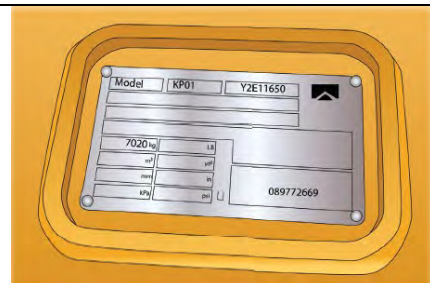
**What do the job's work instructions explain?**



**Question 13**

**PC (1.1, 1.2)**

**How do you find out the limits and capacity of the haul truck?**



**Question 14**

**PC (1.1, 1.2)**

**Which plans do you follow so you know how to do the job properly?**



**Question 15**

**PC (1.3)**

**The hierarchy of hazard control is a list of controls you can use to lower the danger from a hazard on the worksite.**

**What are the six (6) levels in the hierarchy of hazard control from the first choice to the last choice?**





**Question 23**

**PC (1.3)**

**What does the safety plan tell you?**



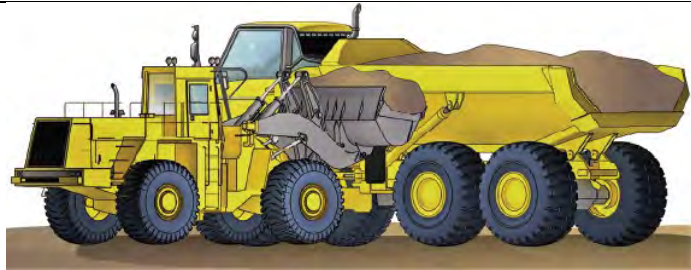
**Question 74**

**PC (2.3, 3.2, 3.3)**

Your haul truck is designed to carry a 24 cubic metre load with a maximum load mass of 39 tonnes.

The material you need to move is dry clay with a mass of 1089 kg per cubic metre.

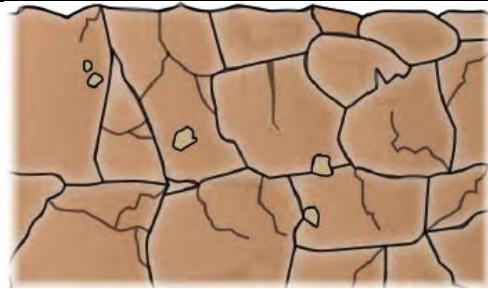
Can your truck carry 24 cubic metres of dry clay?



**Question 75**

**PC (2.3, 3.2, 3.3)**

You have 100 cubic metres of dry clay to move. How many loads will it take to move the 100 cubic metres?

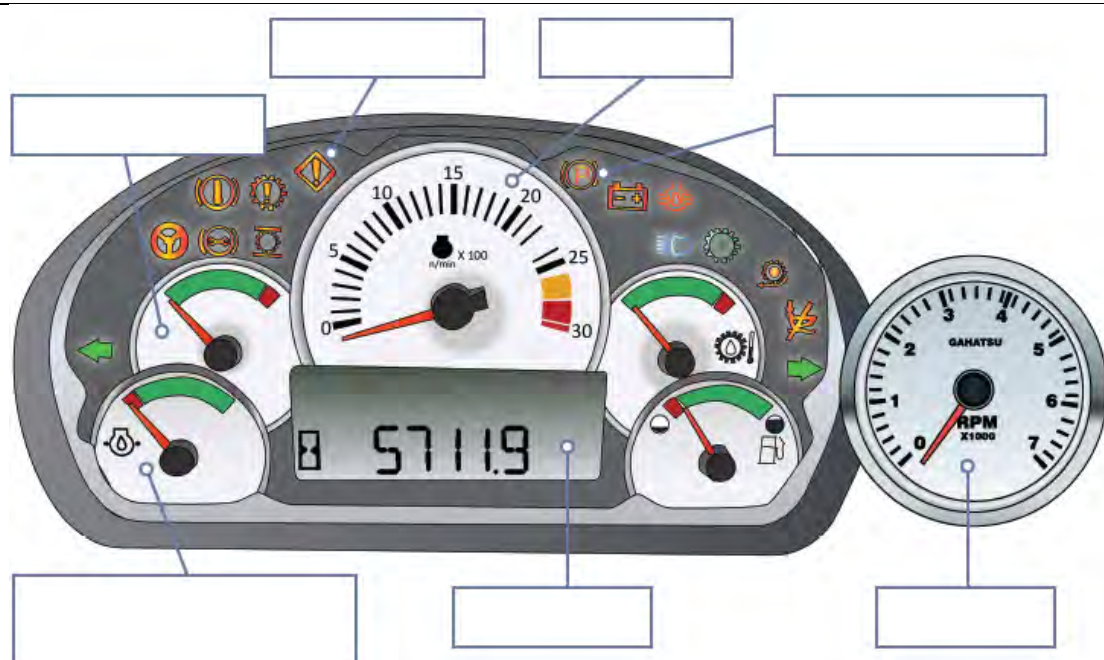


**Question 76**


**PC (2.4)**

Your haul truck will have monitoring systems such as gauges and alarms.

What are some examples of monitoring systems you would pay attention to?



<b>Question 77</b>	<b>PC (2.4)</b>
<b>What should you do if you hear the low brake pressure warning alarm?</b>	

<b>Question 78</b>	<b>PC (2.3, 2.5)</b>
<b>Can you leave the engine running when you're not in the truck?</b>	
	

<b>Question 79</b>	<b>PC (2.3, 2.5)</b>
<b>Which safety device keeps you in the seat?</b>	

<b>Question 80</b>	<b>PC (2.5)</b>
<b>Which safety devices on a haul truck protect you from being crushed if it rolls over?</b>	

<b>Question 81</b>	<b>PC (2.5)</b>
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<b>Question 91</b>	<b>PC (3.2)</b>
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**What kinds of loading equipment might be used to load a haul truck?**

<b>Question 92</b>	<b>PC (3.1)</b>
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**Why should you stay in the haul truck's cabin while it's being loaded?**



<b>Question 93</b>	<b>PC (3.1)</b>
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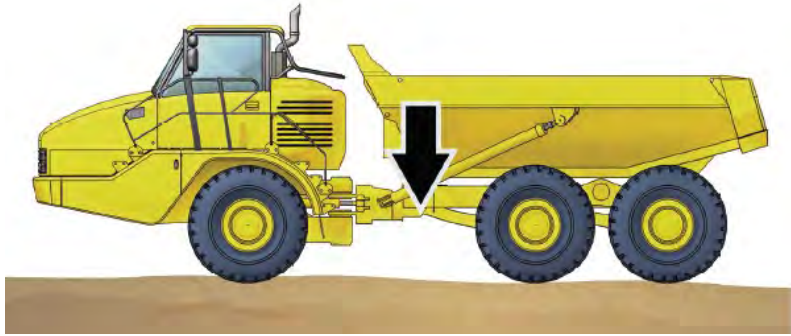
**Why is it important to position the haul truck as directed by the loader for loading?**



**Question 97**

**PC (2.3, 2.5)**

**Why do you lower the dump body before you travel?**



**Question 98**

**PC (2.5, 3.3)**

**You're using an articulated haul truck on a slope and hauling a load. Why should you avoid braking hard on the slope?**

**Question 99**

**PC (2.5, 3.3)**

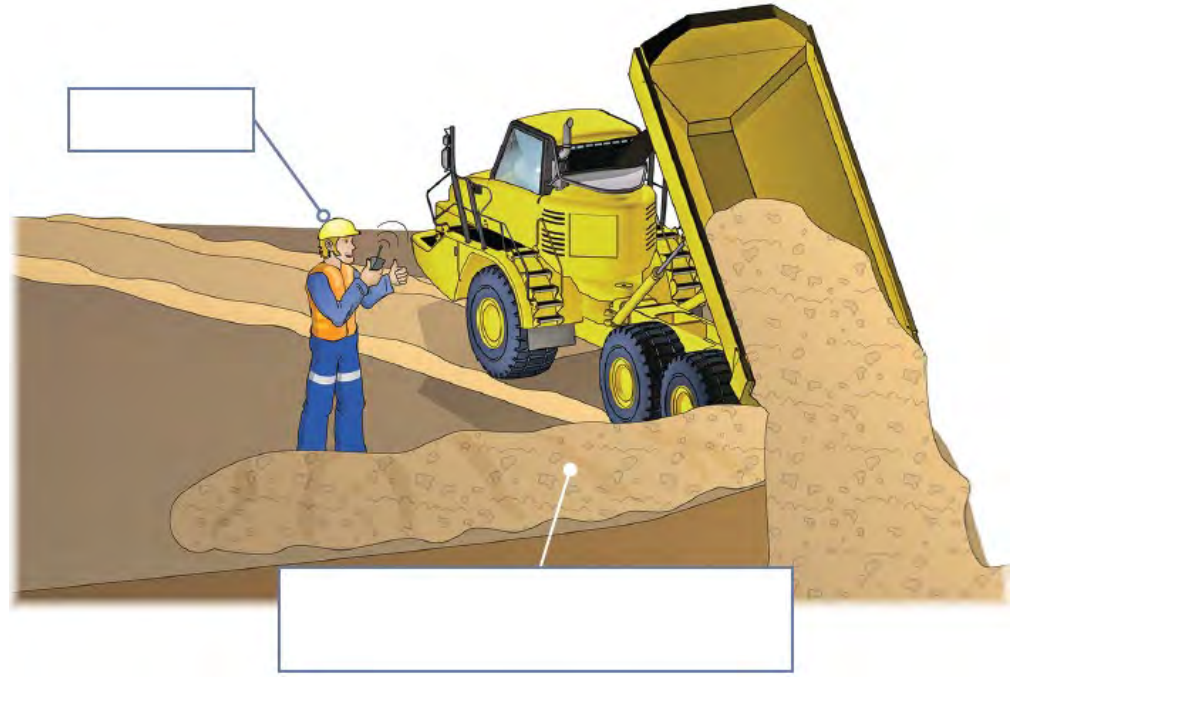
**You may use a spotter to dump a load. Why should you obey the spotter's directions when dumping a load?**



**Question 100**

**PC (3.3)**

**You're dumping a load over a bank. What can help you do this more safely?**



**Question 101**

**PC (1.6)**

**You are using a haul truck to move material. How can you communicate with other workers or machines?**

Blank area for the answer to Question 101.

## Practical Assessment – Check List

The skills and knowledge required to operate an articulated haul truck to load, distribute and place materials, work must be performed on at least two occasions.

**Note** See appendix for guidelines on what to look out for when candidate is performing practical tasks. Use the Appendix topic steps as basic benchmark guides.

### Practical Assessment 1 – Pre-Start



Observation performed when performing Practical Task 1 from work order provided (Job 1, Job 2)	Yes	No	N/A	Job 1	Job 2
Candidate:					
Located and apply relevant documentation, policies and procedures.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/> Locates operator's manual for articulated haul truck and finds requirements for pre-start and start-up checks.				<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Locates site policies and procedures for personal protective equipment requirements when operating articulated haul truck.				<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Candidate displays preparedness for emergency situations by outlining the steps to be taken in the case of a fire or accident.				<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Interrupt work order or requirements before performing work task.				<input type="checkbox"/>	<input type="checkbox"/>
Selected and wear personal protective equipment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/> PPE selected must be as per site policies and relevant to the task. As a minimum MUST include appropriate footwear, Hi-visibility workwear and hard hat.				<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> PPE must be checked for serviceability and correctly fitted.				<input type="checkbox"/>	<input type="checkbox"/>
Conducted pre-start inspection of articulated haul truck.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/> Pre-start check is carried out as per operators manual and workplace policies and procedures. Where possible a completed pre-start checklist should be provided as supporting evidence.				<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> During inspection the candidate must identify and/or verbalise any common faults they are looking for.				<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Faults and/or damage found during inspection must be managed as per workplace policies and procedures. This should include, tagging out faulty equipment, isolating faulty equipment, reporting to the appropriate person and recording in a logbook. If no faults or damage are found the candidate must verbalise the procedure for the worksite to the assessor.				<input type="checkbox"/>	<input type="checkbox"/>
Carried out vehicle refuelling requirements and procedures where applicable.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/> Candidate must refuel the articulated haul truck when necessary. The candidate must refer to workplace policies and procedures for refuelling.				<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> The correct PPE for refuelling must be selected and worn during the refuelling process.				<input type="checkbox"/>	<input type="checkbox"/>

**The applicants' performance in Practical Assessment 1 – Pre-Start activity was deemed to be:**

Satisfactory

Not yet satisfactory

**Applicant signature:**

**Date:**

**Trainer/assessor signature:**

**Date:**

## Practical Assessment 2 – Drive and operate articulated haul truck



Observation performed when performing Practical Task 2 from work order provided (Job 1, Job 2)	Yes	No	N/A	Job 1	Job 2
Candidate:					
<b>Identifying and reporting all potential hazards, risks and environmental issues</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/> The applicant must inspect the work area and identify any potential hazards and risks that exist including environmental hazards and risks. Where possible a completed site inspection checklist should be provided as supporting evidence.				<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Hazard control methods consistent with the Hierarchy of hazard control and any existing environmental management plan must be used to manage the hazards. Site policies and procedures must also be followed.				<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> The applicant must inspect the work area and identify any potential hazards and risks that exist including environmental hazards and risks. Where possible a completed site inspection checklist should be provided as supporting evidence.				<input type="checkbox"/>	<input type="checkbox"/>
<b>Starting the articulated haul truck</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/> Candidate must ensure any footsteps and handgrips are clear of mud, debris and slippery substances. The candidate must face the articulated haul truck when mounting and dismounting and maintain three (3) points of contact at all times. Must not jump.				<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Articulated haul truck is started as per manufacturer's instructions and workplace policies and procedures. Post-start checks and tests must be carried out and any abnormalities rectified (where possible), reported and recorded.				<input type="checkbox"/>	<input type="checkbox"/>
<b>Driving and operating the equipment</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/> Candidate applies safe work practices when driving and operating the articulated haul truck, including but not limited to using all warning devices and motion alarms, always checking travel direction is clear, continually monitoring ground and site conditions, monitoring the movement of the boom and bucket and travelling at a safe speed.				<input type="checkbox"/>	<input type="checkbox"/>
<b>Monitored and managed equipment performance using indicators and alarms</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/> Candidate identifies and monitors all indicators and alarms relevant to managing the performance of the articulated haul truck.				<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> The candidate must react appropriately to any indicators or alarms and apply problem solving and troubleshooting techniques to rectify any problems when operating the articulated haul truck.				<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> The candidate adjusts operating techniques to suit site conditions and/or as a direct response to any indicators or alarms.				<input type="checkbox"/>	<input type="checkbox"/>
<b>Parked and secured articulated haul truck</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/> Candidate parks articulated haul truck in an appropriate and safe location.				<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Articulated haul truck is shutdown as per operators manual and workplace policies and procedures. Key must be removed.				<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Post-operational inspection of articulated haul truck is performed and any damage or defects are managed as per policies and procedures (ie: isolate, tag and report).				<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Articulated haul truck is locked and secured as per workplace policies and procedures.				<input type="checkbox"/>	<input type="checkbox"/>



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**The applicants' performance in Practical Assessment 2 – Drive and operate articulated haul truck activity was deemed to be:**

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Satisfactory

Not yet satisfactory

**Applicant signature:**

**Date:**

**Trainer/assessor  
signature:**

**Date:**

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