

# ARTICULATED HAUL TRUCK

# Learner Workbook

(Formative assessment)



# TRAINER'S MARKING GUIDE

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 34**

**PC (1.4)**

**What kinds of PPE might you wear when using a haul truck?  
Explain what you use the PPE for.**

**Non-slip boots** that cover your whole foot.  
Some sites require steel-capped lace-up boots – to protect your feet.



**Safety vest/hi-vis clothing** –  
to show people where you are.

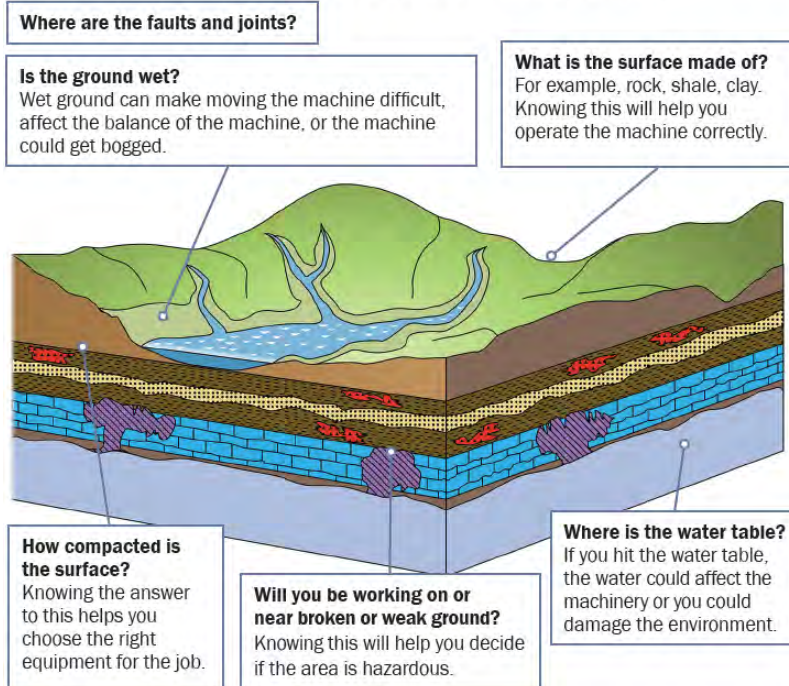


**Question 35**

**PC (1.5)**

**What kinds of geological data do you need before starting earthmoving work?**

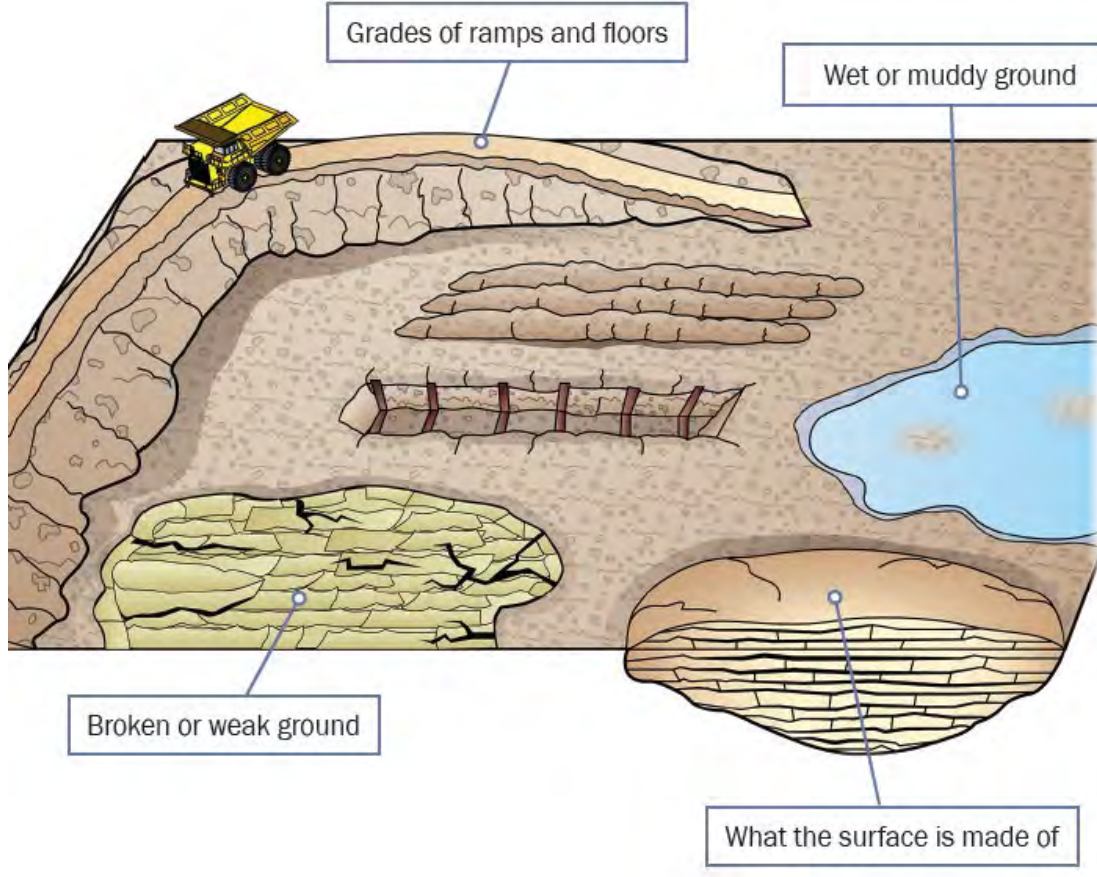
You need to know about the kind of surface you will be working on. For example:



**Question 38**

**PC (1.5)**

**What are some examples of geological or survey data that apply to haul trucks?**



**Question 39**

**PC (1.6)**

**Before you can start working on a new site, how do you get signed off by your supervisor so you can work?**

Under state/territory Mining Acts, you must be familiar, authorised and signed off by your supervisor on that site before you can operate a haul truck.

To get signed off, you might:

- Do site training (induction)
- Read site plans
- Drive around the site to get familiar with it.

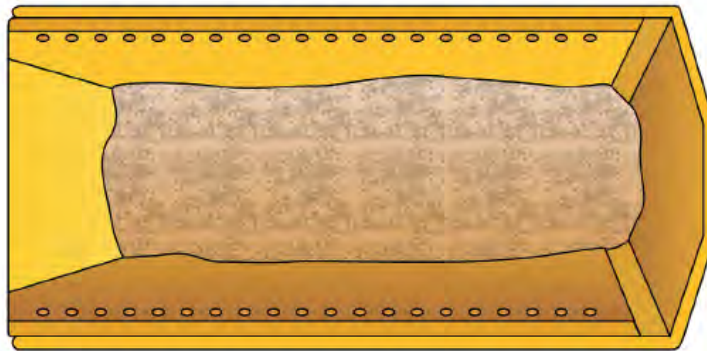


**Question 59**

**PC (3.1, 3.2)**

**What kinds of trays do haul trucks use?**

**Linerless** –  
use this for hauling sand, gravel or clay.  
  
Linerless means there is no protection in the tray.



**Rubber-lined** –  
use this for hauling large stones.  
  
Some trays have rubber lining to protect the tray.



**Rock body** –  
use this for hauling large rocks at quarries or construction sites.  
(Rock bodies can have liners).



**Question 60**

**PC (2.3)**

**What is the correct way to enter or leave the machine cab?**

Always use 3 points of contact.

For example:

Keep **2 hands** and **1 foot**,  
or **2 feet** and **1 hand**  
in contact with the machine  
at all times.



**3 point contact  
(both hands and foot)**



**Question 61**

**PC (2.3)**

**You've done the pre-operational checks. Before you can move off, what else do you need to do?**

1. Start the engine and wait 3-5 minutes.



2. Check the gauges.



3. Record all checks you did in the daily logbook before you start driving the truck.



4. **Beep** the horn once.

**BEEP!**



5. Wait 5 seconds after beeping the horn before moving off.



5 seconds



**Question 92**

**PC (3.1)**

**Why should you stay in the haul truck’s cabin while it’s being loaded?**

You must stay in the cabin so the person loading the truck knows where you are. If you stand outside the truck, you could be hit and injured if the load spills on to you, or you could be hit by the loading machine.



**Question 93**

**PC (3.1)**

**Why is it important to position the haul truck as directed by the loader for loading?**

So the loading equipment can load the haul truck as quickly as possible. It is also safer.



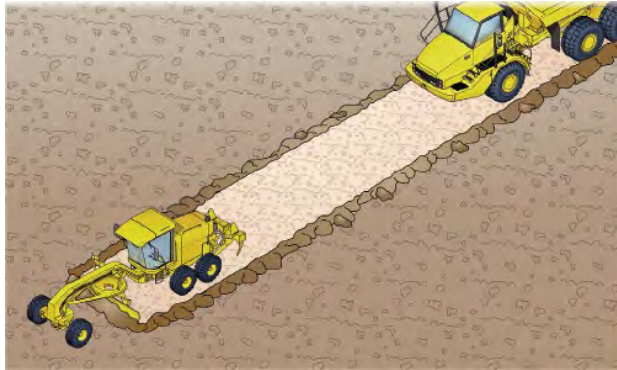


**Question 94**

**PC (3.2)**

**You need to haul a load but the route is rough, pot holed or has deep wheel grooves. What do you do?**

Ask a dozer or grader operator to level the surface for you.



**Question 95**

**PC (3.2)**

**You are driving the haul truck on a rough surface. What do you have to do?**



Drive slowly.

**Question 96**


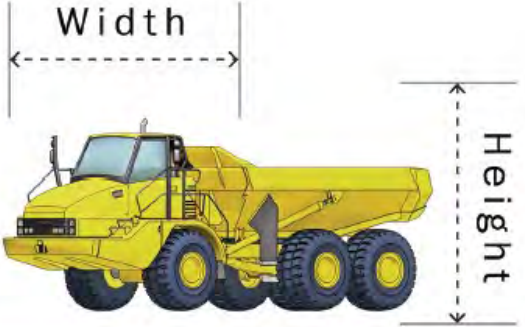


**PC (2.3, 2.5)**

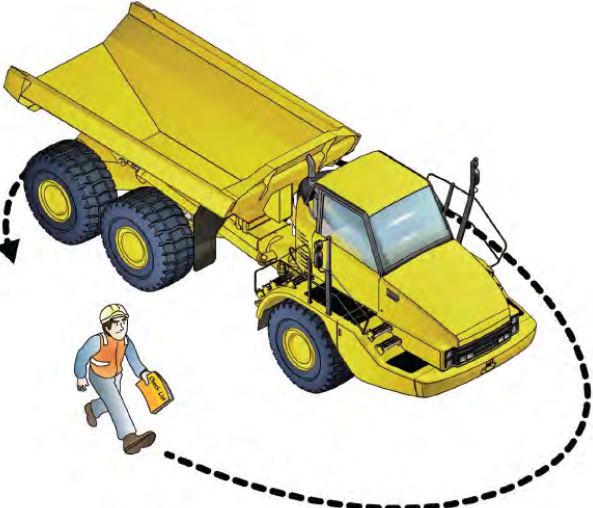
**Why do you need to be careful using an articulated haul truck on a slope?**

The truck might tip over.

Articulated trucks are not as evenly balanced as rigid trucks when turning.



<p><b>Question 102</b></p>	<p><b>PC (3.2, 3.3)</b></p>
<p><b>What are some safety things to remember when operating a haul truck?</b></p>	
<p>Don't overload the truck (keep within the SWL/maximum capacity)</p> 	<p>Know the height and width of your truck</p> 
<p>Do not travel across a steep slope</p> 	<p>Do not tip down steep slopes</p> 

<p><b>Question 103</b></p>	<p><b>PC (2.1, 2.2, 3.4)</b></p>
<p><b>When do you test and inspect the haul truck?</b></p>	
<p>Every time. Before and after you use it. You do this to make sure it's safe to use and safe for handover to the next operator.</p>	
	

**Question 104**

**PC (2.2, 3.4)**

**What do you do if you find a fault with the haul truck? For example, you might see a bulge in a hydraulic hose.**

1. **Stop** and remove the key.



2. **Tag out** the machine.



3. **Report** to your supervisor.  
Have the hose replaced.



Write the problem in the logbook if your site requires this.



If you have any questions about your results, speak to your trainer/supervisor.

## Practical Assessment



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

It is the assessor's responsibility to decide if the candidate has competently demonstrated a skill. The assessor may question a candidate further if their demonstration needs clarification.



## Practical assessment instructions



Practical assessment should be performed in a normal working environment where possible. However, under some circumstances may occur in a simulated work environment (refer to assessment conditions for further information).

The Assessor must:

- Clearly explain to the candidate what is expected of them
- Check that the candidate has been provided with the necessary tools and equipment
- Complete checklists as the candidate goes through the tasks
- Only question a candidate during a practical task if it is safe to do so
- Stop the assessment immediately if the candidate is doing something dangerous
- Stop the assessment immediately if the machine or objects are likely to be damaged
- Inform the candidate of the result of the assessment

If an assessor needs to stop the assessment because of danger or possible damage, the candidate must be marked as not yet competent. If the assessment is stopped, further training would need to take place before a re-assessment can be undertaken.

Tasks in the assessment do not have to be assessed in isolation, they may be done as one continual task, a simple example of this may be to:

*Ask the candidate to perform the **pre-start** requirements, when complete they should **drive** the articulated haul truck to an area where they can **operate** it to **excavate a trench** to pre-determined **specifications** and **stockpile** the removed material. On completion of the trench the candidate could then **backfill** and compact the trench. Next they could drive the articulated haul truck to the attachment storage area, **remove the current attachment** and **fit a new attachment** for example a lifting device. They could then **lift and carry materials** as specified by the assessor. On completion the lifting device could be removed and the original attachment re-fitted. Now the candidate will be required to complete any **housekeeping** requirements then **prepare the articulated haul truck for relocation** and **move the articulated haul truck between worksites**. If the scenario above was completed twice it should meet the requirements as long as two different material types are used.*

# Description of work order / Job (requirements).

Description of work order 1 / Job 1 (Assessor to complete):

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Description of work order 2 / Job 2 (Assessor to complete):

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## 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:**