

# LEARNER GUIDE



# Articulated Haul Truck

TICKET



Training support material for:

RIIMPO337E

Conduct articulated  
haul truck operations

Produced by:



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## Introduction to articulated haul truck

An **articulated haul truck** is a large heavy duty type of haul truck used to transport loads over rough terrain and carry materials from one place to another.

The haul truck is built to handle rough slopes and slippery conditions. It has four-wheel or all-wheel drive and the truck steers by the cab and front axle pivoting separate from the load body and rear wheels. For example, to steer to the right, the engine, cab and front axle would pivot to the right.

You can load a haul truck with a number of machines including excavators and loaders.



**Articulated** haul trucks covered in this guide are **off-highway** trucks and **diesel-powered mechanical drive**.

## What industries do you use an articulated haul truck in?

- Civil construction
- Coal mining
- Extractive industries
- Metalliferous mining



# Plan and prepare for articulated haul truck operations

## Chapter 1



## Earthmoving site hazards

### Checking for underground services

You should always check where services are before you start work. You may phone '**Dial before you dig on 1100**'. You may look at the site plan or talk to your supervisor. You may need to look at the location of pits and meters to get an idea of where the services run. You may need to check with the local council or service company. You may even need to get underground detection equipment.

If you hit a service line, contact the provider immediately. You may need to organise to get the service disconnected while a qualified person fixes the problem.

You can sometimes tell there are services below by the types of ground. Some services are surrounded by a different type of soil, rock or sand. You may notice that the soil is looser, or does not match the soil around where you are digging. There may be a line of tape alerting you to the services.

If you suspect there are services underground, stop working. Check the ground. You may need to excavate the area by hand, or dig in another area.





## Earthmoving hazards and risks

The most common hazards and risks with earthmoving work are:

Falls from plant or machinery



Traffic and other mobile plant



Overhead or underground power



Underground gas lines



Water and sewerage piping



Rollovers



**QUESTION 27**

What is the danger of driving next to a trench or the edge of a fill?

The haul truck might tip over and fall into the trench, or the edge of the trench might cave in.

**QUESTION 28**

What is the danger of working when it is dark or difficult to see?

It's harder to see hazards. In the dark it is harder to tell distances.





## Personal Protective Equipment (PPE)

The best way to make the workplace safe is to take away hazards altogether. But often you can't do this. This is where Personal Protective Equipment (or PPE) can help.

PPE is clothing or equipment worn on the body to protect you from hazards. PPE will not take away the risk of harm altogether, but it will help keep you safe. Below are some examples of PPE.



# Operate articulated haul truck

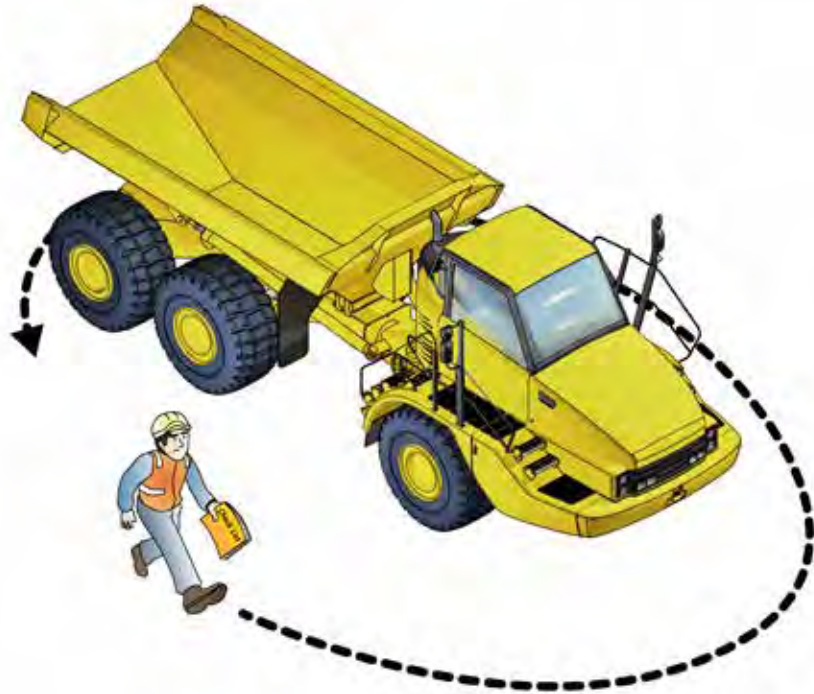
## Chapter 2



**QUESTION 47**

What is the first check you do on the machine?

Walk around it and check for obvious problems you can easily see.



**QUESTION 53**

Where should you park the haul truck?

Always park on firm, level ground and away from hazards.

If you can, try to have the front wheels parked in a small ditch to stop the truck rolling away.



**QUESTION 55**

If you have to park the haul truck on a slope, in which direction do you park it?

Park across the slope.

