

LEARNER GUIDE



Rigid Haul Truck

TICKET



Training support material for:

RIIMPO338E

Conduct rigid haul truck operations

Produced by:



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Introduction to Rigid Haul Truck

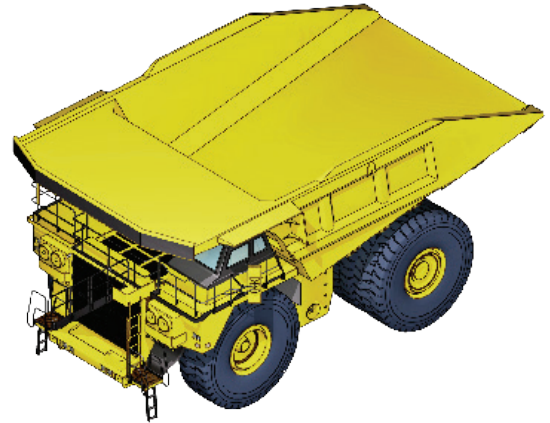


Introduction to rigid body haul truck

This guide covers rigid body haul trucks. A haul truck is a machine you use to carry materials from one place to another. You can load a haul truck with a number of machines including excavators and loaders.

The large mining haul trucks can weigh over 500 tonnes. Rigid haul trucks covered in this guide are off-highway trucks such as diesel-mechanical, diesel electric and rigid body.

Rigid haul trucks have a rigid body.



Rigid for this truck means:

The chassis does not articulate.

The truck is steered by the front wheels pivoting on each end of the front axle, similar to the steering of a family car.



What industries do you use a rigid haul truck in?

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



Confined space

A confined space is an enclosed or partially enclosed area. It is an area that was not designed for people to go into. It may have no natural or mechanical ventilation. It also has a hazard (such as a gas or flammable substance) that makes it dangerous.

Gasses in the atmosphere such as LPG, which are heavier than air, may enter spaces like trenches, underground tanks or pits displacing oxygen.

When you drive a petrol, gas, or diesel machine into a space like this you create a hazard. The exhaust gasses can fill the space. Dangerous gasses like carbon monoxide can build up in the area. You can't smell all dangerous gasses or fumes. You might breathe in a dangerous gas and not even know it. The gas could knock you out (make you unconscious) or even kill you.

You must be trained to work in a confined space.

You must also have a permit. The permit makes sure you have thought about all hazards and controls, including a rescue plan, and that you have a team there to help you in case something goes wrong. You must get your permit approved by a supervisor.

If you are going to work in a confined space, you might need a catalytic converter installed. A catalytic converter takes out harmful gasses (like hydrocarbons, carbon monoxide and nitrogen oxides, and turns them into harmless gasses (like carbon dioxide, water and oxygen).



QUESTION 46

When operating a haul truck on a job site you need to plan the operations with other equipment.

Why?

To prevent lost time waiting for a clear road.



To maintain a safe operating distance between machines.



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Operate rigid haul truck

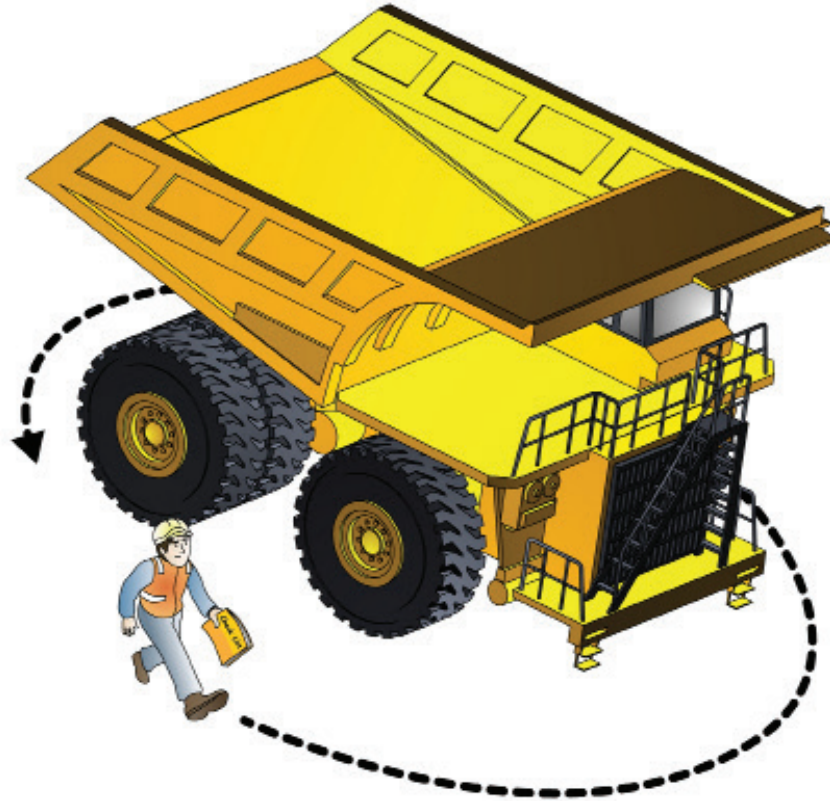
Element 2



QUESTION 49

What is the first check you do on the machine?

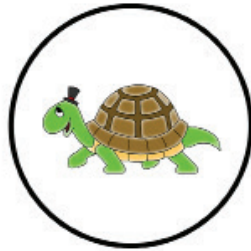
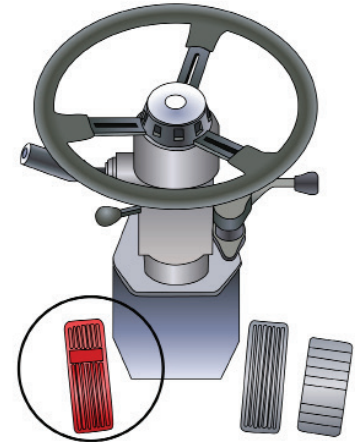
Walk around it and check for obvious problems you can easily see.



QUESTION 59

How do you test the retarder operation?

Drive the truck forward at about 10 kph and engage the retarder. This should slow the truck down quickly.



QUESTION 60

If all of the brakes on the haul truck fail, how can you stop the truck?

Change to a lower gear to slow down. Drive the haul truck into a ditch, soft area, gutter or up a ramp or embankment if you can.

You only do this in an **emergency** when you have **no** other choices.



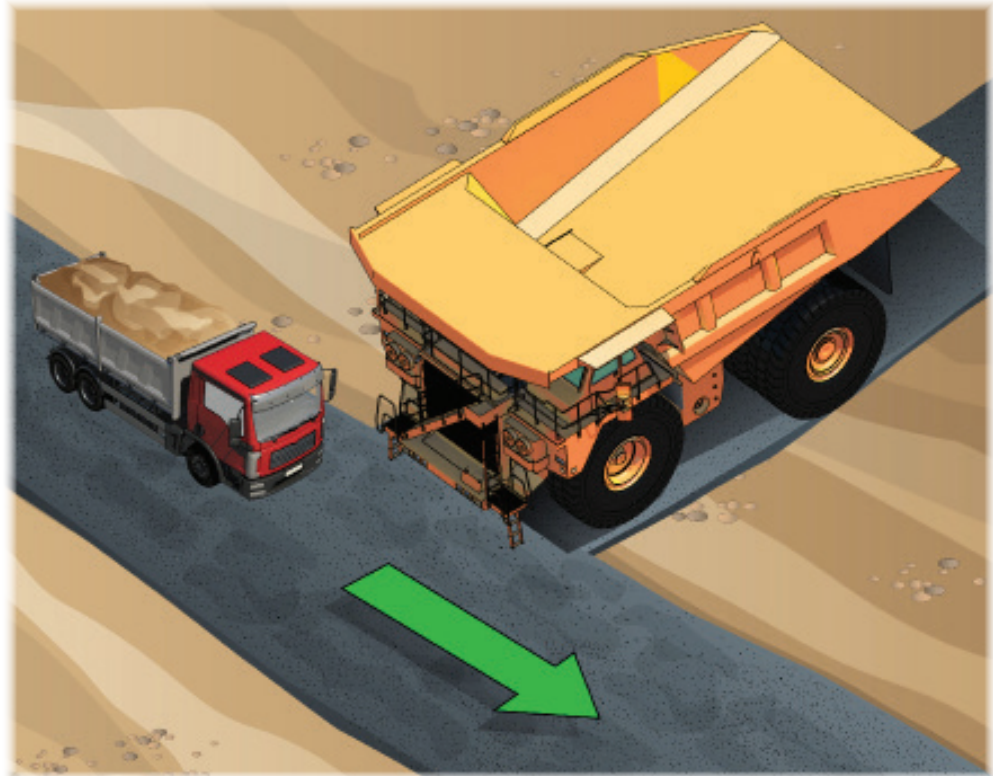
QUESTION 64

Your truck is empty.

Why do you have to give way to loaded trucks and scrapers?

Because you can stop and turn your empty truck more easily.

This is because loaded trucks are heavier than unloaded trucks, so it takes longer for them to stop.

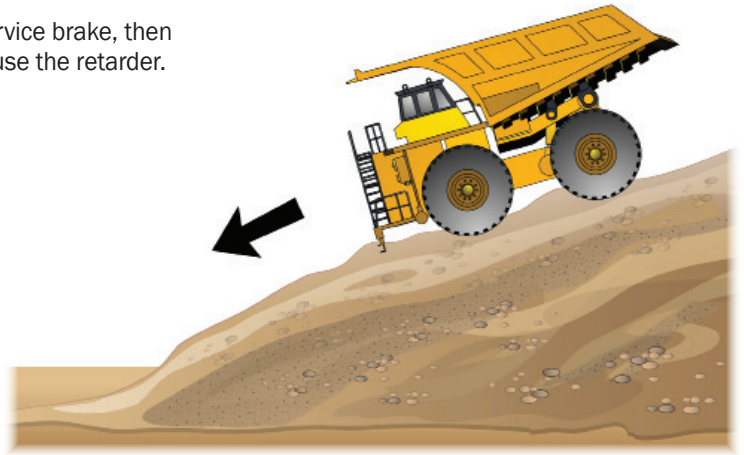


QUESTION 65

You are heading towards a steep slope.

What would you do before going down the slope?

Slow down using the service brake, then choose a low gear and use the retarder.

**QUESTION 66**

Which gear do you use on a steep slope?

Use a low gear.

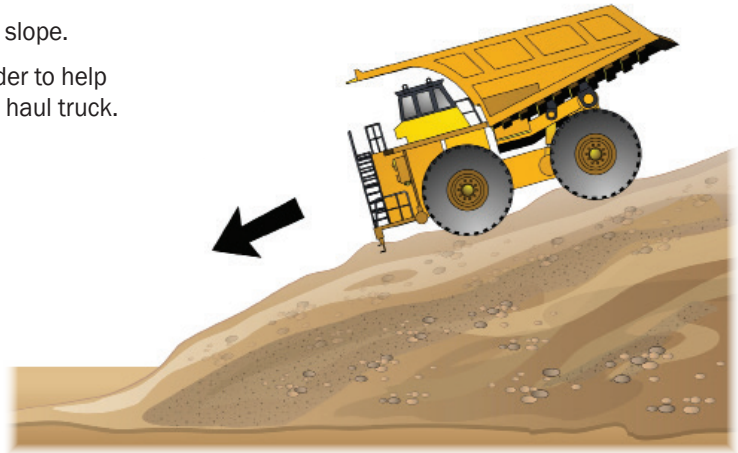


QUESTION 67

Which way do you travel down a slope, across or straight down?

Travel straight down the slope.

You might use the retarder to help control the speed of the haul truck.

**QUESTION 68**

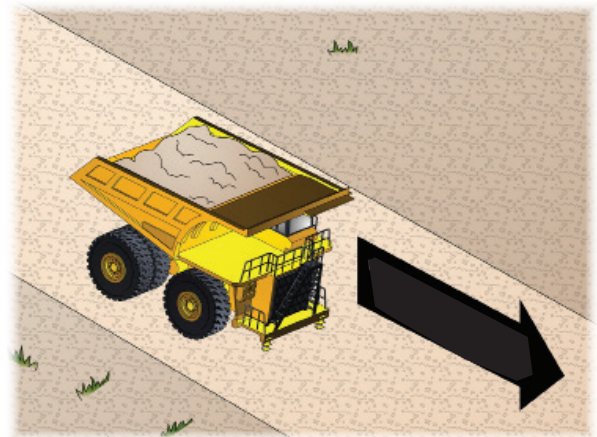
When would you choose a rigid haul truck?

You choose a rigid haul truck when you'll have a heavier or larger load.

You use a rigid haul truck for hauling loads up to 267 cubic metres in size.

Rigid haul trucks are faster than articulated haul trucks. They are best on flat roads for long hauls.

Check the site procedures to find out the maximum speed limit on your site.



QUESTION 69

How can you keep a haul truck stable?

Keep the truck from areas where it could tip over.

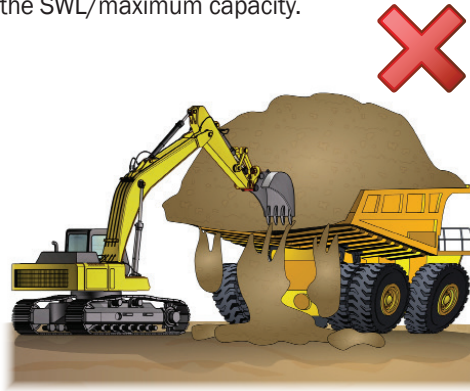


Don't dump while the truck is on a slope.

**QUESTION 70**

What are some things to remember when operating a haul truck?

Don't overload the truck. Keep within the SWL/maximum capacity.



Know the height and width of the truck.

