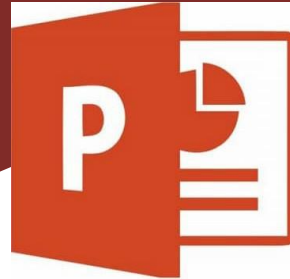


LEARNER GUIDE



Tip Truck

TICKET



Training support material for:

RIIVEH304E

Conduct tip truck operations

Produced by:



Introduction to Tip trucks



Introduction to tip trucks

A tip truck is a truck which carries and discharges (dumps) loads. The types of loads a tip truck might carry include grain, rock, sand, mulches, etc. You use a tip truck to dump or spread loads. You often use tip trucks for civil construction or landscaping jobs.

There are many different types of tip trucks for different jobs. Tip trucks range from small 'Light rigid' trucks to large 'B-Doubles' and 'Road trains'. Some tip trucks tip from the rear only, some tip from the side and some can tip over the rear or side. Some tip trucks can tip 3 ways; over the left side, over the rear or over the right side. These are usually smaller types such as light and medium rigid trucks. There are also 'Belly dumpers' which drop the load from the middle of the truck.

Because you drive tip trucks on public roads, you need a licence. The type of licence you need will depend on the weight of the tip truck and load. The number of axles and the type of transmission will also effect the licence you will need. It also depends on the laws (regulations) in your state or territory. You will need to get your licence through the road traffic authority in your state.



Types of tip trucks (continued)

The following shows examples of classes of tip trucks, how many axles they may have, and what each type of tip truck is used for. It shows the type of licence needed to drive the truck as well as the weight of the vehicle and load (gross vehicle mass).

Light rigid (LR)



A Rigid vehicle	
Number of axles	2
Licence required	(LR) Light rigid
Weight of vehicle and load (Gross Vehicle Mass - GVM)	4.5 to 8 tonnes

Note:
If used to tow a trailer the truck and trailer must not exceed the towing vehicles gross combination mass shown on the compliance plate.

Uses	Used for tipping small loads. These are often used by garden supply companies.
-------------	--

Types of tip trucks (continued)

Medium rigid (MR)



A Rigid vehicle

Number of axles

2

Licence required

(MR) Medium rigid

Weight of vehicle and load (Gross Vehicle Mass - GVM)

Over 8 tonnes. When towing a trailer, Trailer GVM must be less than 9 tonnes. GVM is limited to the trucks GVM.

Note:

If used to tow a trailer the truck and trailer must not exceed the towing vehicles gross combination mass shown on the compliance plate.

Uses

Often used in civil construction for delivering loads like soil, gravel and crushed rock etc.

Types of tip trucks (continued)

Heavy rigid (HR)



Number of axles	3 or more
Licence required	(HR) Heavy rigid
Weight of vehicle and load (Gross Vehicle Mass - GVM)	Over 8 tonnes. When towing a trailer, Trailer GVM must be less than 9 tonnes.

Note:

If used to tow a trailer the truck and trailer must not exceed the towing vehicles gross combination mass shown on the compliance plate.

Uses

Can carry larger loads. These trucks are often used as the prime mover for towing a heavy trailer, if the trailer has a GVM of more than 9 tonnes plus any unladen converterdolly the vehicle becomes a HC and requires a HC licence.

Types of tip trucks (continued)

Heavy combination (HC)



A prime mover with a single semi trailer or attached trailer exceeding 9 tonnes GVM

Number of axles	3 or more
Licence required	(HC) Heavy combination
Weight of vehicle and load (Gross Vehicle Mass - GVM)	GVM can vary depending on the number of axles, type of suspension and the tare weight.

Uses	These are used on larger civil construction jobs where larger loads need to be delivered. Belly dumpers are an example of a type of heavy combination tip truck.
-------------	--

Types of tipping

Tip trucks have different ways of tipping their load. Some types are better suited than others for certain situations.



Discharge action	Tipping from the rear
About	Discharges the load from the rear, the most common type of tipping method.
Good for	Dropping the load in one spot. Spreading the load by moving while discharging the load. For example, spreading gravel on a driveway, tipping part loads.
Not good for	Tipping across a slope. Tipping close or under power lines.

Types of tip trucks (continued)

Discharge action	Tipping from the side
About	Discharges the load at the side of the vehicle along the full length of the body.
Good for	Fast dumping the load. Carrying large rocks etc, as there is no restriction on the dumping size.
Not good for	Spreading loads. Working in restricted areas. Tipping part of the load.

Types of tip trucks (continued)



Discharge action	Belly dumping
About	Discharges the load through a hatch in the bottom of the trailer.
Good for	Spreading rock or gravel on a road. Dumping grain into a grain auger pit at a silo.
Not good for	Restricted areas, as most Belly dumpers are heavy combination (semi trailer) or multi combination (B-Double, Road train). Also not suited where the load is to be discharged at the rear or the entire load is to be discharged on the ground while stationary.

QUESTION 10

What kinds of information do you need before starting work?

- Plans – what you need to do
- Specifications – rules and details about the job
- Operational details – how you will do the job
- Quality requirements of the job – the standards you are expected to meet.

**QUESTION 11**

Why do you need to know what other people are doing on site?

- To make sure you will not get in the way of other jobs being done
- To make sure you know what others are doing near where you must work.



QUESTION 12

Job specification:

- Delivery address
100 Creek Rd
Rivertown.
- Spread load
between the 4 white
pegs on the road
100 mm deep.

If you follow the specifications of the job, will you meet the quality requirements?

Yes. The quality requirements tell you the standards you must meet when driving a tip truck. They tell you what you need to do and how to do it to satisfy the customer's needs and expectations.

You may need to follow Codes of Practice, regulations, national standards etc.



For example, in this job the customer needs the load to be spread to a specific depth.

QUESTION 13

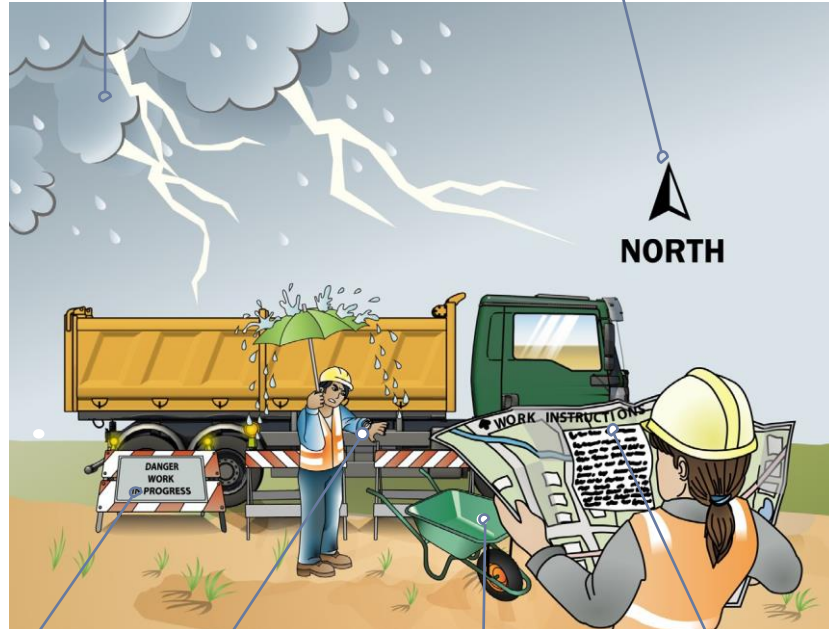
What do the job's work instructions explain?

Work instructions explain:

What to do in unexpected situations like bad weather

What the job is

Where the job is



How to do the job safely

How long the job will take

What tools and equipment you need

How to do the job from start to finish