

LEARNER **GUIDE**



Tractor TICKET



Training support material for:

RIIMPO315E

Conduct tractor operations

Produced by:



Picture based. Plain English. Learning

Introduction to tractor



What is a tractor?

A tractor is a self propelled vehicle that has a powerful petrol or diesel engine. Tractors vary in size, horsepower, transmission and drive types.

Tractors can be:

- Wheeled or tracked
- Rigid or articulated
- Commercial or agricultural machines
- Two wheel or all wheel drive
- Dual wheeled.



Who uses tractors?

Tractors are used in many different industries and workplaces.

For example:

- On golf courses
- City councils
- On farms
- In landscaping
- In the agriculture and forestry industry
- Quarrying and mining
- Civil construction.



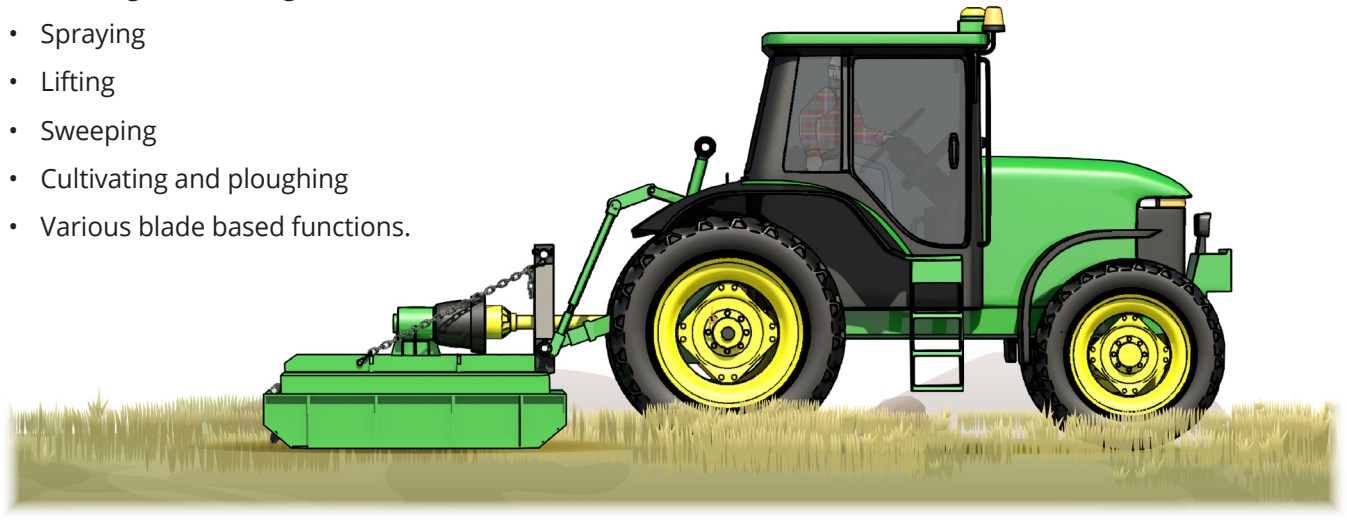
What are tractors used for?

Tractors are very versatile machines (have many uses).

Most tractors have a power take off (PTO) system which allows different implements and attachments to be fitted. The PTO system draws power from the engine to run the implements and attachments.

Some of the things tractors can do include:

- Pulling and towing
- Digging and moving soil
- Post hole digging/drilling
- Slashing and mowing
- Spraying
- Lifting
- Sweeping
- Cultivating and ploughing
- Various blade based functions.



Tractor examples

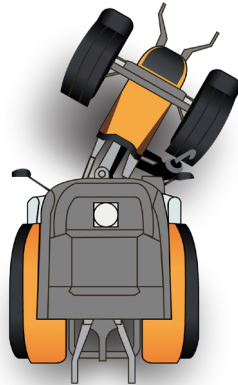
Rigid wheeled tractor



Tracked tractor



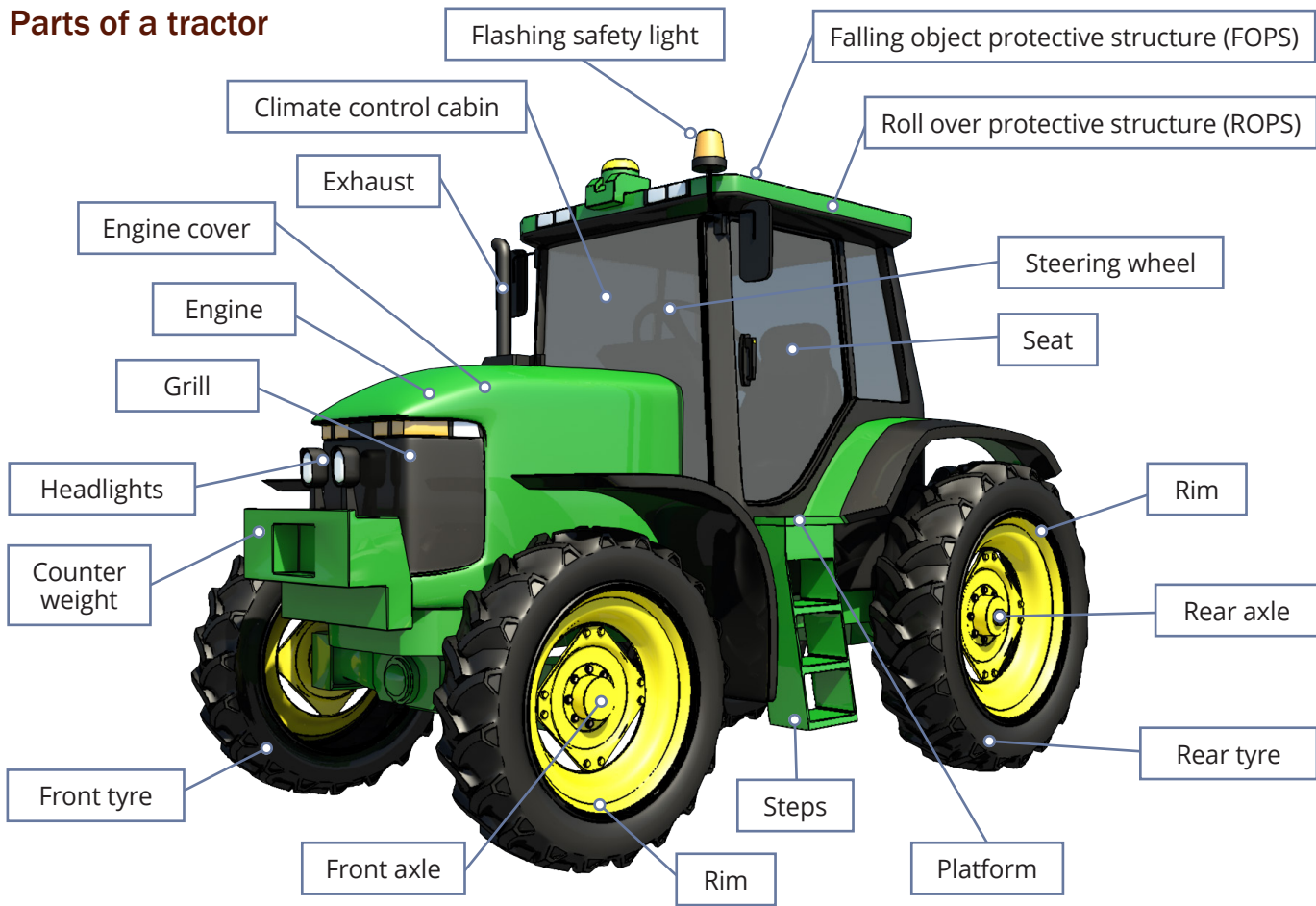
Articulated tractor



Dual wheeled tractor



Parts of a tractor



Attachments for a tractor

Tractors are capable of using attachments to perform a particular function.

It is important to know the limitations of your tractor and its attachments. Always check the tractor's or manufacturer's operating manual to understand the dangers and how to safely and correctly use an attachment.

There are a variety of tractor attachments available.

Some examples include:



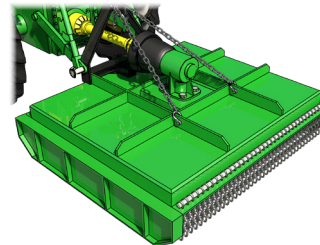
- Backhoe/loader general purpose buckets, blades or box scrapers
- Mowers, slashers and rotary cutters
- Grader blades, front and rear mounted blades
- Ploughs, rippers and scarifiers
- Pallet forks and bale forks
- Seeders and fertiliser spreaders
- Post hole digger
- Disc harrows
- Lawn pluggers
- Sprayers



Pallet forks



Post hole digger



Slasher



Bale fork

Check equipment and attachments

You must show that you know how to check the equipment or the attachments you will be using on the tractor.

When checking the tractor's attachments look for any wear or damage that will affect the use and operation of the attachment.

Always follow the instructions in the manufacturer's operating manual about the:

- Tractor
- Attachments
- Equipment being used.



All attachments will have their own list of items to check. You need to be familiar with these from the operator's manual instructions.

- If in doubt, ask an experienced person.

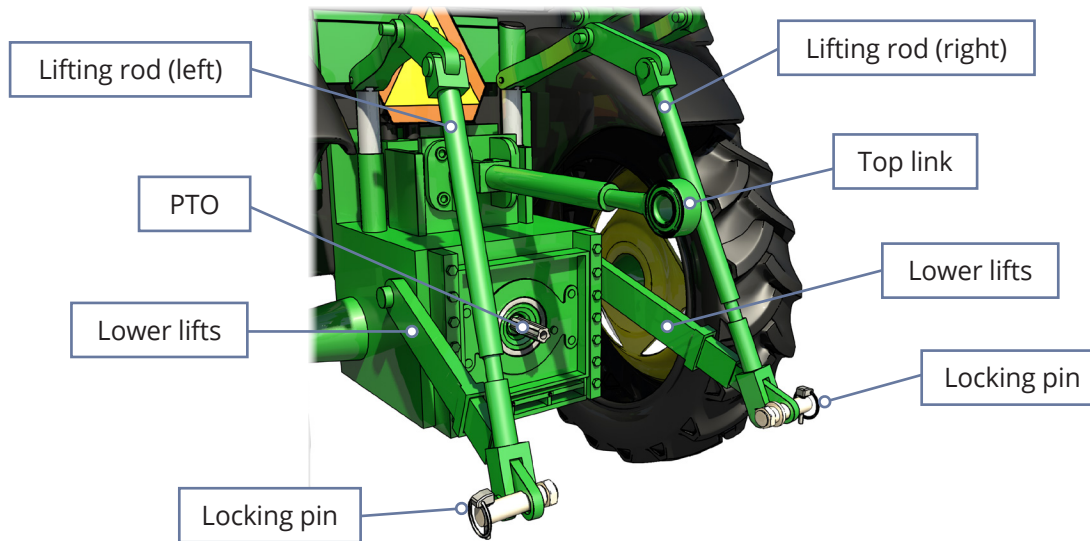


Check the 3-point hitch/linkage

The main benefit of the 3-point hitch/linkage system is to transfer the weight of an implement to the drive wheels of the tractor. This gives the tractor more usable traction than it would otherwise have, with the same power, weight, and fuel consumption.

The 3-point hitch/linkage is used for fixing attachments onto the tractor.

- Each hitch/linkage has attachment holes for attaching implements
- The implement has posts that fit through the holes
- The implement is secured by placing a pin on the end of the posts



QUESTION 2

What information can be found in the tractor's operating manual (the manufacturers guidelines and specifications)?

Operating manuals include information about:

Start up and shut down procedures



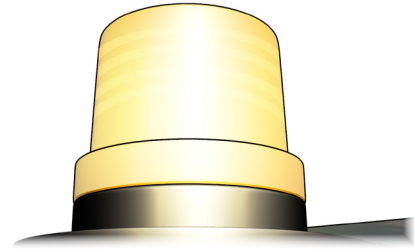
Operating and parking procedures



Safety instructions, warning labels and decals



Alarms, safety devices and monitoring systems



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QUESTION 2

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What information can be found in the tractor's operating manual (the manufacturers guidelines and specifications)?

Operating manuals include information about:

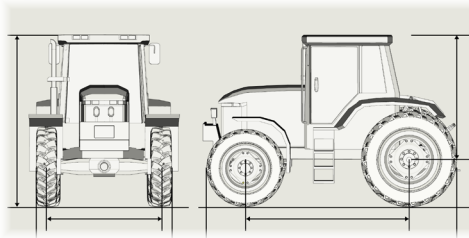
Tractor controls



Tractors capabilities and limitations



Tractors specifications



Maintenance requirements and schedule.



Note: All operators including trainees should read and understand the manufacturers operating manual before using the tractor.

QUESTION 3

Before starting work —
What is the information you might need for:

- The tractor you are going to use
- The job you are going to do.

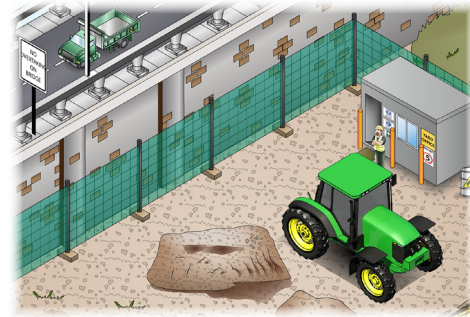
The information you will need before starting work include:

The type of tractor needed for the job:

- Its size and power
- Special requirements needed.

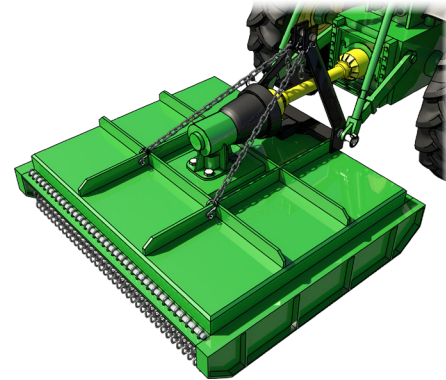


What does the job involve?



Are there any attachments required?

- What type?
- Can they be fitted to the tractor?



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