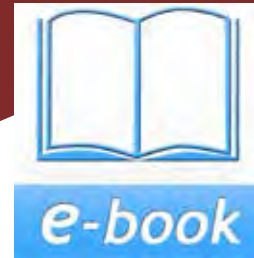


# LEARNER GUIDE



## Tractor

Training support material for:

**RIIMP0315E**

**Conduct tractor operations**



Produced by:



**PICTURE BASED. PLAIN ENGLISH. LEARNING MADE**

# Contents

How companies use this guide.....	5	Decibel levels of common sounds.....	24
How RTOs use this guide.....	5	Environmental protection requirements.....	25
How to use this guide.....	6	Environmental management plan (EMP).....	26
Language – Literacy – Numeracy (LLN).....	7	Chemicals and solvents.....	27
LLN core skills – customising training.....	8	Disposing of environmentally sensitive fluids.....	28
<b>Introduction to tractor</b> .....	<b>9</b>	Hierarchy of risk control.....	29
What is a tractor?.....	10	Health and safety reports and forms.....	31
What are tractors used for?.....	11	Fatigue.....	34
Parts of a tractor.....	13	Personal protective equipment (PPE).....	35
A tractor is a dangerous piece of equipment.....	14	Traffic management plan (TMP).....	37
Duty of care requirements.....	15	Attachments for a tractor.....	38
Worker's (employee's) duty of care.....	16	Check equipment and attachments.....	39
Penalties.....	16	Check the 3-point hitch/linkage.....	40
PCBU's (employer's) duty of care.....	16	Be prepared for fire/accident/emergency.....	42
<b>Plan and prepare for tractor operations</b> .....	<b>17</b>	Fire classes.....	43
Compliance.....	18	First aid and emergencies.....	45
Work instructions.....	20	Reporting incidents.....	45
Plan for safety.....	21	Safety plan.....	46
Inspect the site.....	21	Emergency evacuation plan.....	47
Tractor hazards and risks.....	22	Three things you must do in any emergency.....	48

# 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.

A tractor



## 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



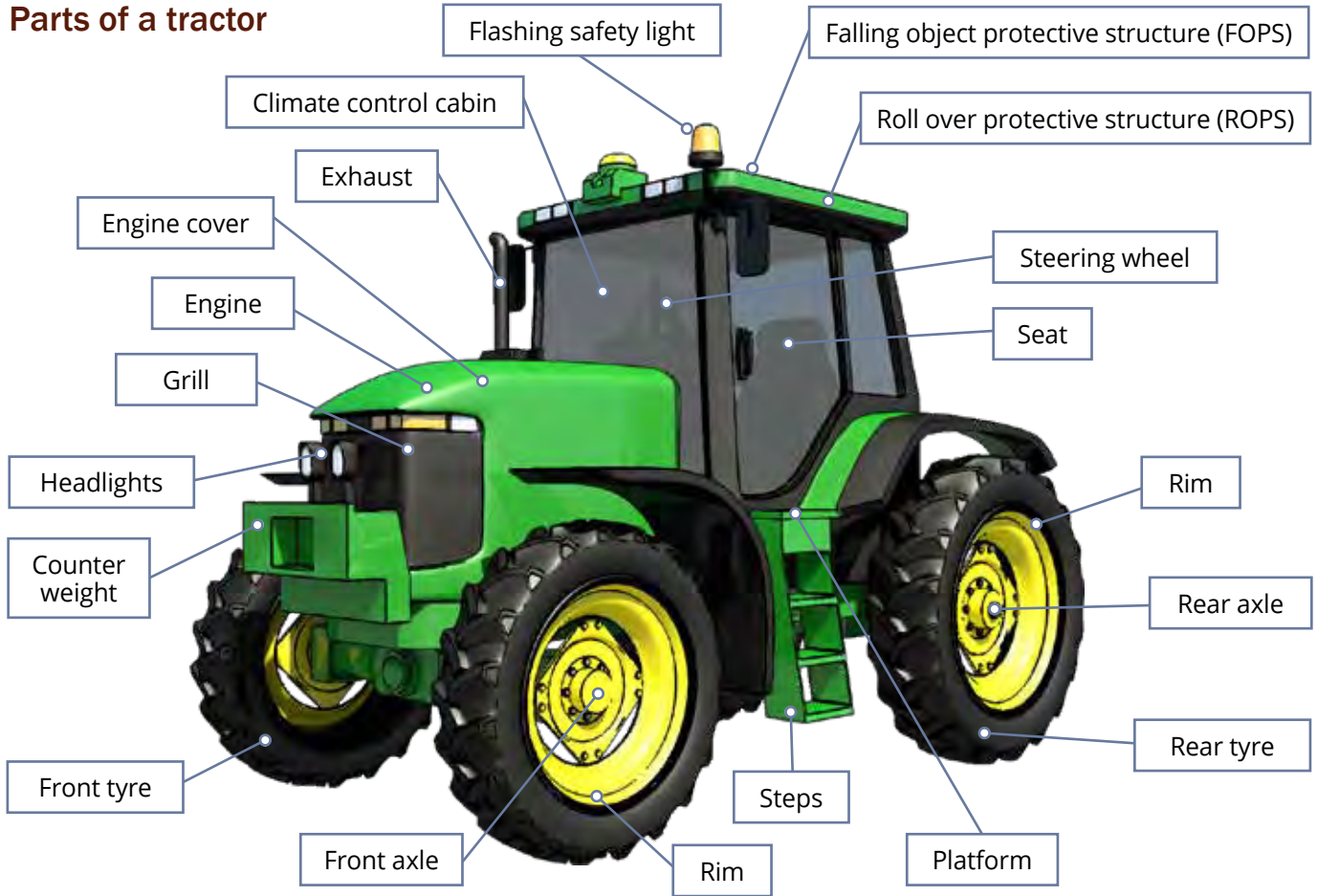
Articulated tractor



Dual wheeled tractor



### Parts of a tractor



# Plan and prepare for tractor operations

## Element 1





## Tractor hazards and risks

It is important to check for hazards **before** you start work. Some common hazards and risks with tractor work are:

Falls from the tractor



Traffic and other mobile plant



Overhead or underground power



Underground gas lines



Water and sewage piping



Roll overs



## Slasher

A slasher is used for cutting weeds, grass or clearing scrubland. It is an example of an attachment that is fitted to the tractor using the 3-point hitch/linkage.

### Inspect the slasher

If the slasher is still attached to the tractor:

- Lower slasher to ground or support on appropriate stands before inspection
- **Stop** engine
- Set the brake
- Remove ignition key
- Wait for all moving parts to **stop** before any servicing, adjusting, unplugging or repairs are started.
- Check the safety guard over the power take off (PTO)
- Make sure coupler pins on the PTO shaft are secured correctly
- Check all bolts and nuts are tightened correctly
- Check all hitch/linkage pins are securely locked
- Check bow shackles on drag chains are tight
- Check slip clutch (slasher end) and make sure slip clutch is set correctly
- Check the tractor PTO output shaft has been greased
- Check gearbox oil level (add oil if required)
- Check that safety signs and decals are legible and maintained. Replace if necessary.
- **Never** stand on a slasher. There is a risk of falling through due to a rusted slasher body.

