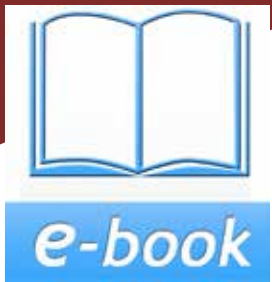


# LEARNER **GUIDE**



## Front End Loader- Wheeled

TICKET

Training support material for:

**RIIMP0321F**

Conduct civil construction wheeled  
front end loader operations

Produced by:



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## How companies use this guide

### Health and Safety Acts duty of care obligations

A formal qualification is **not** needed to operate earthmoving machinery in Australia. However, under the Health and Safety Act (WHS or OHS), a company must show that they have met their duty of care obligations and show evidence that an operator is trained and competent to work safely.

This Learner Guide (and related training materials) are written to a national standard to meet the requirements of the RII Resources and Infrastructure Industry Training Package.

### Supervision of training by a competent person

Training must be supervised by a person deemed to be competent. The supervisor/trainer may hold an existing earthmoving licence or qualification, may have Certificate IV in Workplace Training and Assessing, may have on-the-job experience gained over time or any or all of these.



## How RTOs use this guide

### Delivering a unit of competency

This guide (and related training materials) are written to meet the requirements of a unit of competency in the RII Resources and Infrastructure Industry Training Package.

To achieve a Statement of Attainment qualification, a trainee must successfully meet the requirements of the unit of competency. The training must be conducted by a registered training organisation (RTO) with the relevant unit of competency on scope.



# Introduction to Wheeled Front End Loader



## What do you use a front end loader for?

- Agriculture – farming
- Construction
- Clean up
- Moving dirt/rocks etc
- Can use for lifting purposes



## What industries do you use a front end loader in?

- Civil construction



- Mining

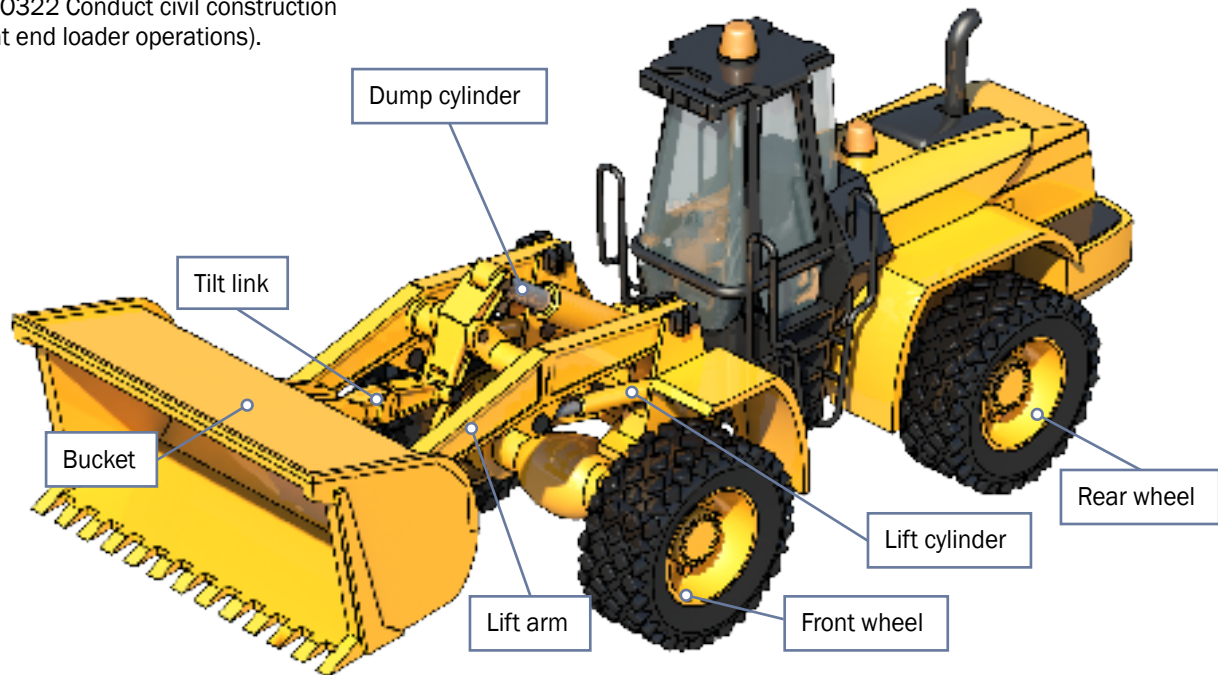


## An example of a wheeled front end loader

A wheeled front end loader is a type of machine, that has a front-mounted square wide bucket connected to the end of two booms (arms) to scoop up loose material such as dirt, sand or gravel and move it from one place to another without pushing the material across the ground.

A wheeled front end loader is commonly used to move material from ground level and deposit it into an awaiting dump truck, stockpile or into an open trench excavation.

Front end loaders can also come in tracked models (refer RIIMPO322 Conduct civil construction tracked front end loader operations).



# Check and monitor equipment

## Chapter 3



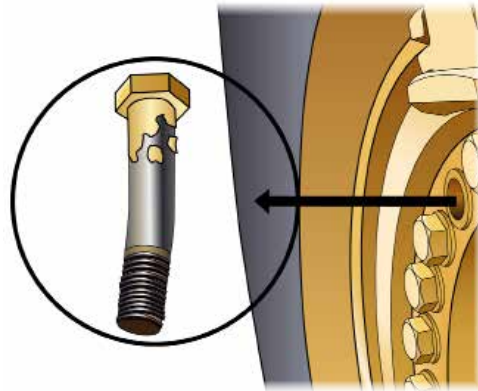
**QUESTION 56**

What pre-operational checks do you do before using the loader?

Look for leaks under the machine



Check tyre condition, tyre pressure and wheel nuts.



Check the fuel gauge to make sure the loader has enough fuel



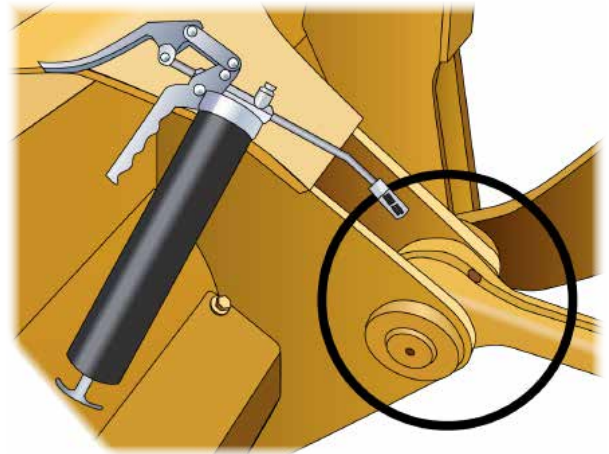
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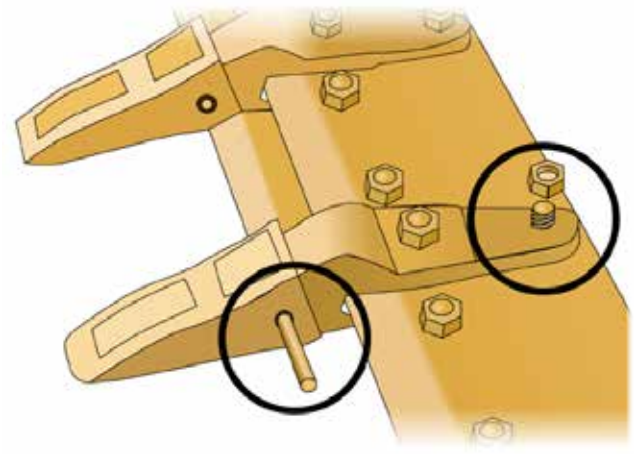
**QUESTION 58***...CONTINUED FROM PREVIOUS PAGE*

What attachment checks do you do?

Check grease nipples



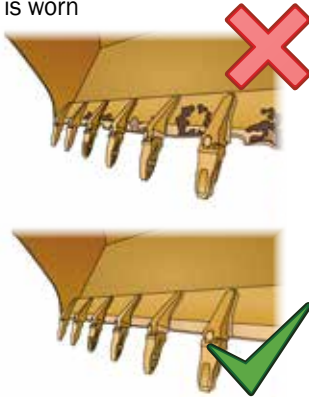
Check missing pins and keepers.



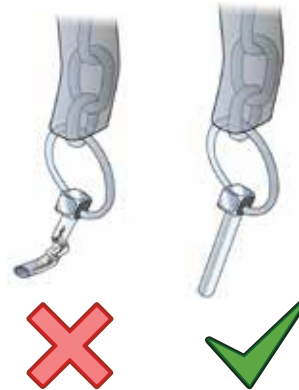
**QUESTION 59**

When checking attachment pins, how do you make sure they won't fall out?

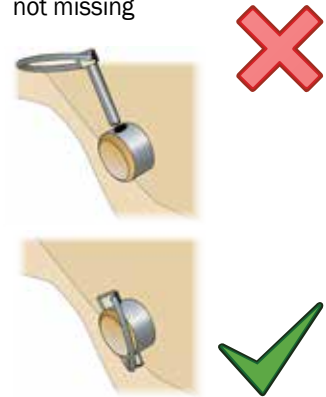
Check if the keeper plate is worn



Check for damage



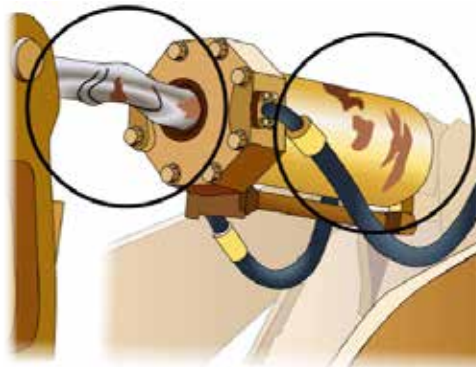
Check the pins are not missing



**QUESTION 60**

What problems do you check the hydraulic system for?

Damaged or bent hydraulic rams



Leaks



Cracked or split hydraulic hoses.



# Operate/use equipment

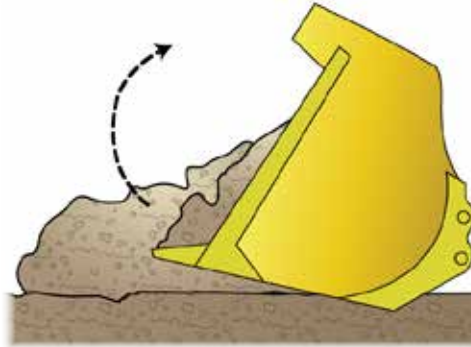
## Chapter 4



**QUESTION 74***...CONTINUED FROM PREVIOUS PAGE*

How do you strip topsoil?  
Explain the steps.

5. Crowd the bucket when it is full.



6. Raise the bucket and move to the stockpile or truck.



7. Empty the bucket.



9. Use about half to three quarters of the bucket on the previously dug area to maintain a level base.

8. Return to the dig area.

