Lifting an Elevator with a Jib Attachment for Maintenance

Safe Operating Procedures | Almond farms | English transcript

General information only. Your host will provide the exact site procedure, machine instructions, PPE requirements and practical training before you start work. This video does not authorise equipment operation.

0:04 Before you start

This video provides general information for workers on almond farms. Before you start work, your host employer will explain the exact safe operating procedure, machine instructions and personal protective equipment required at your site. This video supports training. It does not replace practical training, assessment, supervisor sign-off or a training record. English is the authoritative version.

0:39 Step 1

Training/Safety

Potential risk.

Workers unsure of the process may lead to unwanted events which may result in injury or fatality

Risk treatment.

At the end of this training which includes the practical component if you are unsure of the process do not proceed contact the Orchard Manager immediately

If at any time during this process you feel unsafe you are authorised and expected to stop

Contact the Orchard Manager immediately

1:14 Step 2

PPE

Potential risk.

Injury to operator if PPE is not being worn

Risk treatment.

Ensure all Task PPE is being worn which includes riggers gloves,steel cap boots,positive sealed glasses and hi vis

1:33 Step 3

Pre-start Telehandler,Elevator and all lifting equipment

Potential risk.

Unsafe Operation of Telehandler and elevator

Damaged lifting equipment

Injury to operator/s

Damage to equipment

Poor or no communication

Risk treatment.

Complete pre-operational checks using Telehandler Logbook and the fleet and maintenance checklist for the elevator

Visually inspect lifting slings hooks and D-shackles

Note: Ensure lifting slings and D-shackles are load rated and slings have a minimum lifting capacity of 2 tons

Note:any damaged equipment must be disposed of immediately

Ensure the 3 monthly and annual safety inspections on the telehandler are completed before use

Check chassis for any structural damage

Check draw bar A - frame mounting bolts and linkage bar are secure

Ensure both the Telehandler operator and spotter are equipped with working UHF radios

Report all faults immediately to your Supervisor

2:46 Step 4

Position the Elevator

Potential risk.

Elevator not on level ground could lead to uncontrolled

movement when being raised

Not barricading the area may lead to unwanted people in the work area adding unnecessary risk

Not allowing enough room at the head end of the elevator could result in damage to elevator or other structures.

Risk treatment.

Ensure elevator is positioned on level ground

Ensure the elevator is positioned so there is enough room that the head of the elevator can not impact anything when the draw bar is lifted

Barricade the area off to alert people to the work being undertaken

NOTE: Remove any unwanted people from the area immediately

3:37 Step 5

Attach lifting equipment to the lifting jib

Potential risk.

Spotter could be crushed between the telehandler and elevator

Inadequate lifting equipment could cause the elevator to fall resulting in injury to spotter or damage to equipment

Hand injuries attaching slings to the quick hitch

People being crushed underneath a suspended load

Risk treatment.

Spotter can only approach to attach the lifting equipment when the telehandler has come to a stop

The handbrake must be engaged and the operator must have taken their hands off the controls and sounded the horn.

UHF confirmation from telehandler operator to spotter must be achieved before approaching the telehandler

Attach 2 t D shackle and 2 t lifting sling to the lifting jib on the telehandler

NOTE: Never use the quick hitch to lift or tow equipment

Never put any body part under the elevator unless it is supported with the hydraulic and portable jack stands

4:47 Step 6

Lift the elevator to attach lifting equipment to the elevator

Potential risk.

Spotter being crushed by telehandler when attempting to attach the sling

Risk treatment.

To lift the elevator select jack lever and on the control panel select Belts off and turtle on mode

Start the elevator and raise until draw bar is at chest height so the lifting sling and D shackle can be attached to the draw bar

NOTE: Before attempting to attach the lifting sling to the draw bar the telehandler parkbrake must be applied and the spotter must be able to see both hands of the operator

The spotter must establish UHF communication with the telehandler operator before attempting to attach D-shackle and slings.

NOTE: do not attempt to attach the slings until the telehandler operator has returned confirmation by UHF

5:50 Step 7

Raise the elevator to secure for maintenance

Potential risk.

Elevator unsecured may lead to uncontrolled movement resulting in injury to personnel

Spotter standing under elevator could be crushed

Risk treatment.

Once the lifting equipment is attached to the elevator raise the elevator using the hydraulic jacks until fully extended.

Spotter communicates visa UHF their intention to place the portable jack stands under the elevator

Spotter places the portable Jack stands under the cross beam of the elevator

Spotter lowers the elevator onto the portable jack stands, chocks the wheels and turns the elevator off

Spotter retains the key in their pocket and engages the emergency stop

NOTE: Ensure the telehandler is only used for additional support. The portable jack stands are the primary source of support

NOTE: Never put any body part under a suspended load

7:02 Step 8

Bring elevator back into service

Potential risk.

Spotter could be crushed between the telehandler and elevator

Inadequate lifting equipment could cause the elevator to fall resulting in injury to spotter or damage to equipment

People being crushed underneath a suspended load

Risk treatment.

Remove all tools from on and under the elevator before bringing back into service

Spotter starts the elevator raises the hydraulic jacks to full extension and removes the chocks

Slowly take the weight of the elevator with the telehandler

Lift the elevator just enough so the spotter can remove the portable jack stands

Spotter communicates via UHF their intention to remove the portable jack stands from under the elevator

Once the portable jack stands are removed and the spotter is clear lower the elevator onto the hydraulic jacks

Lower the elevator with the hydraulic jacks to appropriate height and remove D- shackle and sling

NOTE: When removing the D-shackle and sling stand to the side never stand in front of the telehandler

Retract hydraulic jack fully so the elevator is sitting flat on the ground

8:26 Step 9

House keeping

Potential risk.

trip hazards

damage to tools

Lost tools

Risk treatment.

pack all equipment away in correct storage areas

discard any damaged equipment

8:46 Qualifications and experience

Qualifications and experience.

All employees/ workers must be trained, hold relevant licenses, and be assessed as competent before operating any equipment on host employer sites. there must be safety induction records with the workers' name on the records. where licenses are required a copy of this must be on site file or personal file.

9:14 Duties and responsibilities

Duties and responsibilities.

All employees/ workers must adhere to host employer policies and procedures and report any concerns and incidents immediately to their manager/ supervisor. it is the responsibility of both host employer onsite management and contractor companies to identify language barriers and provide interpreters where required.

9:44 Training required

Training required.

All employees/ workers must have been inducted to the site and deemed competent in relevant Safe Operating Procedure and site traffic management plans. site managers must sign off all Safe Operating Procedure before employees/ worker start work on site or equipment. training should be completed by a competent person or training organization.

10:13 Codes of practice and legislation

Codes of practice and legislation.

All employees/ workers must adhere to codes of practice, standards and guideline, whs and ohs acts and regulations.

10:29 Plant, equipment and PPE

Plant, equipment and PPE.

Job specific protective personal equipment (ppe) must be identified and worn when required (i.e. positive sealed goggles with a strap when using compressed air). PPE is a shared responsibility between your host employer and Orchard Tech. Your host employer will provide the PPE required for your task. If the required PPE has not been supplied, stop work and contact Orchard Tech. workers to wear all outdoor ppe where required – wear positive sealed eye protection, gloves, hat, sunburn cream, steel capped boots, long sleeve shirts and long trousers. hi viz clothing must be worn at all times.

11:26 Maintenance checks

Maintenance checks.

If a vehicle, plant, equipment, or machinery is found to be defective or damaged, it must be tagged with ‘out of service’ tag until repaired and isolation register completed. daily pre-start/ pre-shift checks and post-checks if required are to be completed and recorded in all instances. maintenance teams are responsible for all maintenance on equipment. workers can only undertake maintenance if they have been adequately trained in the relevant process.

12:05 Before work starts

This video provides general information. Before you start work, your host employer will explain the exact procedure and provide practical training for your site. This video does not replace assessment, supervisor sign-off or a training record. If you do not understand something, use the English or talk to your supervisor at the host employer site. The host will provide you with an interpreter.

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