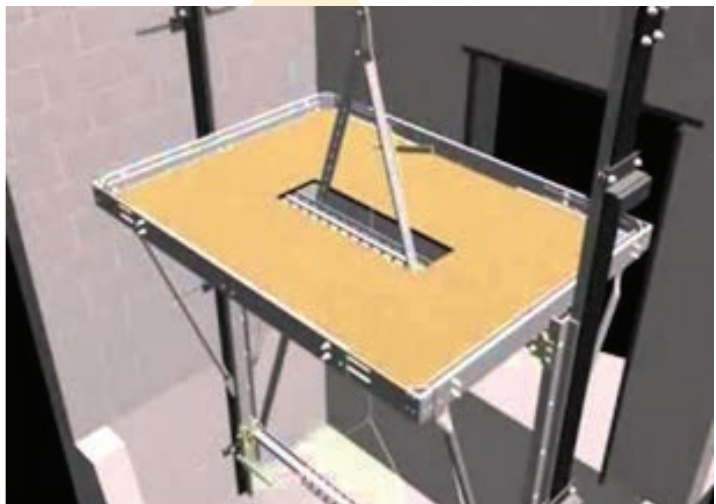


OH&S SAFETY ALERT

Number 8, July 2022

LIFT INSTALLATION - FALSE CARS MAINTENANCE AND INSPECTION



This alert has been generated to ensure that all construction sites in Victoria are aware of the requirements for maintenance and inspection procedures for False Cars

False car maintenance requirements –
AS4431:2019 Installation methods in lift wells

Before any access into a lift shaft, there shall be established written rescue and recovery procedures, with nominated responsibilities clearly defined (refer alerts 2).

All maintenance and inspections shall be carried out by an Advanced Rigger

This alert covers checks as follows:

1. Pre-Shift Operation checks
2. Three monthly tests
3. Six monthly tests
4. Operation checks
5. Record of maintenance checks

Before any productive work is performed the Daily checks shall be completed.

Maintenance and inspections as follows:

1. Daily, pre-shift-operation checks:

- i. Visually check the liftwell to ensure path is clear from obstruction
- ii. Visually check the suspension mechanism for broken strands, surface wear, corrosion, wire or strand distortion, reduction in diameter and the lengthening of the lay
- iii. Visual checks of the wire rope operated independently of the hoisting winch and false car safety gear for broken wires, surface wear corrosion wire or strand distortion, reduction in diameter and the lengthening of the lay
- iv. Visually check the electric cables of the hoist for cracks, cut or distortion
- v. Clean the platform

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- vi. Check the handrail and platform are secure
- vii. Inspect the hoisting winch and hitch-plate fixing bolts and nuts for tightness
- viii. Check the safety dear manually for operation
- ix. Check that the 'Loading Notice' and inspection & maintenance procedures are fixed to the guard work platform
- x. Check suspension terminations.

2. Periodic tests – 3 monthly intervals: -

- i. Test and check the device that is operated independently of the hoist winch & safety gear to manufacture's specifications
- ii. The hoisting winch to be tested and checked to manufacturers specifications

3. Commissioning and six-monthly-tests-Safety gear: -

- i. Lowering the platform to the lowest landing.
- ii. Place the rated load on the platform
- iii. Disconnect overspeed device which is independent of the safety gear.
- iv. Lift up platform (by means other than the winch attached to the platform) to a height of 100mm.
- v. Fit a device to ensure the platform will not fall more than 600 should the safety gear fail.
- vi. Lift up the platform to a height of approximately 125mm.
- vii. Mark the position on the guard rails.
- viii. Allow the platform the fall unimpeded.
- ix. Check that the platform stops in a very short distance without any perceptible slide.

4.Operation: -

- i. A hand-pull tension shall always be kept on the suspension rope when it is necessary to wind slack rope into the winch.
- ii. Any obstructions to movement shall be investigated and the problem cleared immediately.
- iii. Where necessary to remove the winch, rope and safety gear, the platform shall be lowered to the lowest level onto stops.
- iv. Where ropes of cables haven below the platform care shall be taken to ensure they are free to operate and that they do not twist.
- v. When using oxy-acetylene or arc welding equipment, care must be taken to ensure that flames or electrodes are kept clear of the ropes at all times.
- vi. Guardrails, and kickboards shall be currently fixed and always kept in place.
- vii. Lighting shall be provided to the platform

5. Record of Maintenance:

A written record of all maintenance, inspections and repair shall be signed by the individuals carrying out the inspection, maintenance and repair and be kept onsite for the life of the installation work.

Contact your designated Health & Safety representative or your local organiser for assistance

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