

Regulation 9 of the Lifting Operations and Lifting Equipment Regulations 1998 (LOLER) requires that before lifting equipment is used it is thoroughly examined by a competent person to ensure that it is safe to use.

It is recommended that the hoist or transport platform installed specifically for the transportation of scaffolding materials is designated as a lifting platform and thoroughly examined as such, taking account of the specific risks associated with the transportation of scaffolding materials. This will include the provision of racks or carriers for securing the material being transported (See **Annex C**).

**NOTE:** A lifting platform is defined within this document as a construction hoist or transport platform that has been specifically adapted by the hoist supplier for transporting scaffolding materials during scaffolding operations.

A thorough examination of the hoist as a lifting platform should be undertaken before the machine is first used for transporting scaffolding and after each subsequent alteration, e.g. where the height of travel is increased.

**Annex A** gives an example of a scope of thorough examination for a construction hoist (designated as a lifting platform) and used solely for the transportation of scaffolding materials as part of a safe system of work.

LOLER requires that the competent person carrying out a thorough examination of a lifting platform makes a report of that thorough examination in writing to the user of the lifting platform and to the person from whom the lifting platform has been hired. It is essential that:

- The description of the lifting platform in the report clearly states that it is a lifting platform to be used for transporting scaffolding materials;
- The report is authenticated by the competent person, or on his behalf;
- The report contains the information specified in Schedule 1 to LOLER (See **Annex B**);
- The interval between thorough examinations for use as a lifting platform is limited to the duration of the projected period of the current phase of scaffold installation or the occurrence of lifting platform alteration or dismantle.

After each phase of utilization of the lifting platform has been completed, consideration should be given to the merits of the retention or removal of any modifications carried out on the lifting platform for the purpose of adapting it for transporting scaffolding materials.

On completion of the specific use as a lifting platform for transporting scaffolding materials and before the machine is handed over for normal use as a hoist or transport platform, the remaining gates and hoistway protection necessary for normal use must be fitted and a new thorough examination carried out.

It is the responsibility of the user to organise this, although the thorough examination is normally carried out by the supplier. The report of thorough examination must be issued to the user and, if the hoist is safe to use, it is ready for handover to the user for normal hoist operations.

Detailed advice on the thorough examination of lifting platforms, including competent persons, independence and reporting requirements, is given in the *Best Practice Guide on the Maintenance, Inspection and Thorough Examination of Construction Hoists* published by the Construction Plant-hire Association and available as a free download from:

<https://www.cpa.uk.net/safety-and-technical-publications/construction-hoists-guidance>

**Annex A - Scope of Thorough Examination**

Scope of Thorough Examination of a Lifting Platform to be Used for Transporting Scaffolding Materials															
Machine Owner					Site										
Date		Lifting Platform Model			Serial No.		Hour Clock		O/S No.						
<b>KEY: A – in good order    B – requires early attention    C – requires immediate action    D - Not applicable</b>															
<b>ENCLOSURE</b> 1. Side-panels 2. Cable basket(s) & trailing cable(s) 3. Electrical panel 4. Ultimate limit ramps 5. Isolators 6. Gate/door 7. Foundation fixing 8. Buffer springs 9.				A	B	C	D	<b>STRUCTURE</b> 46. Mast sections 47. Mast bolts and nuts 48. Mast racks and bolts 49. Rack lubrication 50. Cable guides standard 51. Cable guide device & trolley 52. Landing beams 53. Pipe supports 54. Wall ties and fixings 55. Vertical pipes 56. Limit cams top 57. Limit cams bottom 58. Cable anchorages 59. Erection crane and accessories 60.				A	B	C	D
<b>PLATFORM / CAGE</b> 10. Gate, door entrance 11. Gate, door exit 12. Side panels, roof and floor 13. Ladder and fixing 14. Limit switches for gates/doors 15. Limit switch for trap door 16. Ultimate limit switch 17. Up limit switch 18. Down limit switch 19. Control switch/buttons 20. Electrical equipment 21. Counterweight, rope anchorage 22. Safety notices/signs 23. SWL taking account of any derating 24. Lighting 25. Gate counterweight and ropes 26. Gate mechanical interlocks 27.				A	B	C	D	<b>HOISTWAY PROTECTION on completed landings</b> 61. Landing gates door 62. Mechanical interlocks 63. Gate cam & switch assembly 64. Hoistway protection 65.				A	B	C	D
<b>MACHINERY</b> 28. Guide roller, hook assemblies 29. Guide roller adjustment 30. Guide roller wear 31. Safety device unit 32. Safety device resetting tool 33. Drive motors 34. Brakes 35. Brake adjustment 36. Gearboxes 37. Gearbox oil levels 38. Drive pinions 39. Drive pinion wear 40. Drive pinion adjustment 41. Safety pinion 42. Safety pinion wear 43. Safety pinion adjustments 44. Centrifugal weights 45.				A	B	C	D	<b>COUNTER-WEIGHTS</b> 66. Counterweight assembly 67. Rope anchorages 68. Cathead sheaves 69. Guide rollers 70. Buffer springs 71. Support ropes 72.				A	B	C	D
(Empty for additional machinery items)				A	B	C	D	<b>SPECIAL EQUIPMENT</b> 73. Emergency stop control 74. Alarm system 75. Stop next landing 76. Load sensing (where applicable) 77. Scaffold rack or frame 78. Emergency lowering 79. No undue noises 80. Guards replaced & secure 81.				A	B	C	D
(Empty for additional machinery items)				A	B	C	D	<b>TESTS and Records</b> 81. Load control test 82. Load test 83. Drop test 84. Written safe system of work in place for use as a lifting platform 85.				A	B	C	D
<b>Comments</b> (Empty space for notes)															
Name of Competent Person					Signature			Employer							
Date of TE		Date of next TE			TE report reference										

**Technical Information Note**

## Annex B – Information to be contained in a report of a thorough examination

The following is an extract from the Lifting Operations and Lifting Equipment Regulations. Schedule 1 of Regulation 10 is quoted here in full. It details information to be contained in a report of a thorough examination.

- 1) The name and address of the employer for whom the thorough examination was made.
- 2) The address of the premises at which the thorough examination was made.
- 3) Particulars sufficient to identify the equipment including where known its date of manufacture.
- 4) The date of the last thorough examination.
- 5) The safe working load of the lifting equipment or (where its safe working load depends on the configuration of the lifting equipment) its safe working load for the last configuration in which it was thoroughly examined.
- 6) In relation to the first thorough examination of lifting equipment after installation or after assembly at a new site or in a new location:
  - a) that it is the first thorough examination after installation or after assembly at a new site or in a new location;
  - b) (if such be the case) that it has been installed correctly and is safe to operate.
- 7) In relation to a thorough examination of lifting equipment other than a thorough examination to which paragraph 6 relates -
  - a) whether it is a thorough examination:
    - i) within an interval of 6 months;
    - ii) within an interval of 12 months;
    - iii) in accordance with an examination scheme;
    - iv) after the occurrence of exceptional circumstances.
  - b) (if such be the case) that the lifting equipment is safe to operate.
- 8) In relation to every thorough examination of lifting equipment:
  - a) identification of any part found to have a defect which is or could become a danger to persons, and a description of the defect;
  - b) particulars of any repair, renewal or alteration required to remedy a defect found to be a danger to persons;
  - c) in the case of a defect which is not yet but could become a danger to persons –
    - i) the time by which it could become such a danger;
    - ii) particulars of any repair, renewal or alteration required to remedy it;
  - d) the latest date by which the next thorough examination must be carried out;
  - e) Where the thorough examination included testing, particulars of any test;
  - f) The date of the thorough examination.
- 9) The name, address and qualifications of the person making the report; that he is self-employed or, if employed, the name and address of his employer.
- 10) The name and address of a person signing or authenticating the report on behalf of its author.
- 11) The date of the report.

## Annex C – Adaption of the Lifting Platform to Carry Scaffolding Materials

In order to transport materials in an upright position in a hoist, it may be necessary to adapt the hoist by having a rack or framework secured to an appropriate point on the hoist. The purpose of this device is to secure the load or partial load to prevent it from falling, slipping, rotating or from entanglement with the mast or other hoistway obstacles.

During loading and unloading, the device must be capable of preventing any individual piece of the scaffolding material from falling or sliding in an uncontrolled manner.

### C.1 Design of the Device

The design of the device must be fit for purpose and must be carried out by a person who is able to understand loadings on the hoist platform/cage and the integration with its operation. It should take into consideration the number, length and weight of the materials being transported. It may result in the de-rating of the rated load of the machine due to point loading on the floor, the raised centre of gravity of the load and the possible eccentricity of the load within the platform/cage area. It may be necessary to reinforce the floor of the cage when using the device.

The weight of the device must also be taken into consideration when de-rating the rated load. A sign must be installed on the device or in the platform area showing any possible restrictions on the length of the scaffolding materials and the de-rated capacity of the hoist.

The carriage of long and/or broad scaffolding components may place an increased wind load on the hoist. This may occur at a higher level than normally expected. Consideration should therefore be given to limiting the additional wind area incurred by the scaffold components, or limiting the allowable in-service wind speed. This should be included in the consideration of the de-rating of the hoist.

The supplier, usually the hire company, is responsible for approving the design and the installation of the device on the platform/cage of the hoist. This should be undertaken in consultation with the hoist manufacturer.

### C.2 Information for Use

The supplier must ensure that the user is provided with adequate information to enable them to use the adapted hoist safely. As a minimum, the following information should be supplied:

- Rated capacity;
- Maximum in-service wind speed;
- Restrictions on point loads;
- Requirements for securing of materials;
- Inspection requirements.

### C.3 CE Marking Issues

Adapting a hoist to transport scaffolding materials safely may require an additional conformity assessment to ensure conformity with the Essential Health and Safety Requirements of the Machinery Directive.

### C.4 Use of the Device

The scaffolding contractor is responsible for the correct use of the device. Since the load capacity might have been de-rated, it is important to ensure that overloading does not occur.

**Furthermore, special consideration must be given to ensuring that overloading does not occur when scaffolding is being dismantled and transported to the ground.**