

Module **SLIM** Service Lift Inspection and Maintenance

Service Lift Inspection and Maintenance
SLIM (7 h)



Aim: The aim of this module is to enable the lift technician to inspect the lift after installation in a WTG with the purpose of commissioning; to take correct measures to acquire assistance; and perform simple adjustments or replacement of parts in a lift in a WTG.

PROGRAM: SLIM Service Lift Inspection and Maintenance

1. Introduction to the training
2. Legislation and documentation
 - 2.1 Lift manufacturers' user manuals and guides
 - 2.2 Local and national legislation
3. Safety when working on a lift in a WTG
 - 3.1 Hazardous energy
 - 3.2 Work areas in the WTG
4. Gates and fences
 - 4.1 Outside the lift
 - 4.2 Gate locking systems
 - 4.3 Guard locking control systems
 - 4.4 Upper and lower hatches
5. Cabin and its attachment parts
 - 5.1 Viewing windows and lift certification
 - 5.2 Fasteners
 - 5.3 Anchor points
 - 5.4 Service light and emergency light
6. Cabin guide systems
 - 6.1 Introduction to the lift guiding systems
 - 6.2 Guide wires inspection and maintenance
 - 6.3 Guide wheels inspection (ladder guided and rack and pinion driven lifts)
 - 6.4 Roller guide unit inspection and maintenance
 - 6.5 Guide ladder inspection
7. Top obstruction device inspection
 - 7.1 Top obstruction device function
 - 7.2 Top obstruction device flashing light
8. Bottom obstruction device inspection
 - 8.1 Bottom obstruction device function
 - 8.2 Bottom obstruction device - Mechanical control system
 - 8.3 Bottom obstruction device flashing light
9. Lift door lock and electrical inter-lock system
 - 9.1 Function test of the door lock
 - 9.2 Emergency unlocking
 - 9.3 Upper and lower hatches
10. Lift operation panel
 - 10.1 The lift operation panel
 - 10.2 Operation hour counter
 - 10.3 Emergency state override function
11. Suspension system
 - 11.1 Suspension crossbeam
 - 11.2 Rope end attachments
 - 11.3 Bolts and bolted connections
 - 11.4 Upper and lower attack pinion (rack and pinion)
12. Drive and safety wire rope and rack
 - 12.1 Drive ropes, in general
 - 12.2 Tension weights
 - 12.3 Grounding rotating unit
 - 12.4 Rope ends
 - 12.5 Counter rollers
 - 12.6 Rope clamps
 - 12.7 Rope attachments and bondings
 - 12.8 Rope protection
 - 12.9 Inspection of the rack
 - 12.10 Grease the rack
13. Traction hoist
 - 13.1 Traction hoist device
 - 13.2 Operation hour counter
 - 13.3 Labels and type plates on traction hoist
 - 13.4 Drive unit, mechanical
 - 13.5 Drive unit, electrical
 - 13.6 Upper and lower gearbox
 - 13.7 Electro-mechanical and centrifugal brakes

- 13.8 Load capacity system
14. Wire rope redirection inside the cabin
15. Fall arrest device (FAD)
 - 15.1 Labels and type plates
 - 15.2 General conditions
16. Supply cable
 - 16.1 Feed-in of supply cable
 - 16.2 Strain relief
 - 16.3 Cable bin
17. Test and training review
 - 17.1 Theory test
 - 17.2 Training review
 - 17.3 Feedback session
 - 17.4 Participant performance assessment

SLIM Module (Service Lift Inspection and Maintenance)

Duration: 7 hours (1 day)

SLIM Program : Sections 1 to 17

Maximum students: 12 people per Edition.

Certificate validity:

Permanent. No validity period applies to this training as long as the participant is active in the respective training.

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