

Passenger & Good Lifts Examination & Maintenance

5 Days

OVERVIEW

To teach operatives the principles of passenger and goods lift examinations and maintenance

On completion of the 5 day course, delegates will be conversant in the principles and practices of goods lift examination and maintenance.

COURSE CONTENT

- **Statutory Requirements:**
 - The Health & Safety at Work Act 1974
 - Section 2: General duties of Employers
 - Section 7 & 8: General duties of Employees
 - The Provision & Use of Work Equipment Regulations 1998 (an overview)
 - The Lifting Operations & Lifting Equipment Regulations 1998 (an overview)
 - British Standard 7255 2001 Safe working on lifts
- **Wire Ropes:**
 - British standard 329: 1968 Steel wire ropes for electric lifts, rope design & construction
 - Rope lay
 - Rope cord
 - Fatigue & wear – broken wires
 - Lubrication
 - Rope terminations
 - Safety factors
 - Methods of inspection
- **Mechanical Operation:**
 - Landing doors & trap doors
 - Braking systems (Electro-mechanical)
 - Car & counterweight
 - Diverter pulleys & sheaves
 - Gears & sprockets
 - Suspension, compensation safety gear & overspeed governor
 - Drum grooving
 - Shafts, bearings, worm & other gearing guides & buffers
- **Electrical Operation:**
 - Power circuits – safety circuits
 - Contactors – relays – switches
 - Landing & car door interlocks
 - Motors, stopping & slow down devices
 - Emergency alarm
 - Overload detention devices
- **Hydraulic Operation:**
 - Hydraulic systems, motor & pump
 - Control valves, balanced distributor
 - Hydraulic oil, rams
 - Pipe rupture valve
- **Practical Inspection:**
 - Lift maintenance schedule
 - Fault recognition and rectification
 - Reporting systems
 - Practical inspection mechanical
 - Practical inspection electrical
- **Emergency Procedure:**
 - Practical release of persons trapped in lift car
- **Assessment:**
 - Theoretical and practical examination of course delegates
 - Course summary
 - Review & discussion

WHO WILL BENEFIT

This course is for Examination and Maintenance Inspectors

DETAILS

PPE REQUIRED

Hard Hat, Gloves, High Vis Jacket/Vest and Boots, any other site requirements

Maximum No. of Delegates: 6