

LIFT & ESCALATOR INDUSTRY ASSOCIATION

Fundamentals of Lift Technology (Unit 15)



COURSE CONTENTS

DRAWINGS

- Mechanical Drawings
- Electrical Diagrams and Symbols

TRACTION LIFTS

- The Worm Drive Speed Reduction Unit
- Steel Wire Suspension Ropes For Lifts
- Other Suspension Means
- Guide Rails and Guide Shoes

THE MACHINE ROOMLESS LIFT (MRL)

- Reference to Standards
- Underslung Lifts
- The Strength of the Guiding System
- Basic Outline of Machine Roomless Lifts
- MRL system employing coated steel belts
- MRL with Disc Motor

MECHANICAL FAULT FINDING

- Statutory Periodic Thorough Examination

ELECTRICAL EQUIPMENT

- A.C. Lift Motor
- D.C. Lift Motor

ELECTRICAL FAULT FINDING

- The Use of Schematic Circuit Diagrams
- Sequence of Investigation

HYDRAULIC SYSTEMS

- Jack Alignment
- Hydraulic Fluids
- Testing the Pipework and Seals

FAULT FINDING IN HYDRAULIC LIFT SYSTEMS

- Possible Trouble in Hydraulic Fluid
- Testing Equipment