

LEI Module 2

Winches & Powered Hoists

Practical Training Course

2 Day

Overview: Designed to teach delegates the technical aspects of thorough examination and testing of winches (utility, man-riding, access and davit) and powered appliances. The course also covers the preparation of certificates and a series of practical assessments. The successful completion of this programme will provide valuable evidence towards the EAL competence qualification.

Contents:

- HSE Regulations. Winches, powered hoists and Davit Winches
- Hand Operated Manual Winches
- Pneumatic and Hydraulic Utility Winches
- Man-riding Winches
- Band Winch Brakes
- Inspection, Testing, Certification & NDT
- Winch Wire Terminations
- Spooling
- Wire Drum Capacity
- Fleet Angles
- Sheaves and Line Pull
- Powered Hoists
- Life Raft Davit Winches



Pre-requisite
for the
NSL/EAL
Competence
Programmes



Structure: The course is a mixture of theory and practical. All delegates will be expected to complete both a written test paper and successfully demonstrate their level of basic inspection skills under test conditions. On successful completion the delegate will be issued with an NSL certificate of training.



Details: This course is usually delivered at an NSL Training Centre, but can be delivered at a client's premises.



Course handouts:
Inspection Procedures.



PPE required: Coveralls, hard hat, safety boots, gloves and safety glasses.



Note: Successful delegates can continue their vocational development with the NSL / EAL competence programmes for Lifting Equipment Inspectors. On successful completion of these programmes, delegates will be awarded with Certificates of Competence for the various modules by the national award body, EAL.

Module 1 of the inspector competency programme must be completed prior to attempting the competency programme for this module.

Who will benefit: This course is aimed at delegates who are employed in the lifting equipment inspection industry or company personnel who are involved in the control and/or co-ordination and purchasing of lifting equipment.

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