



Lifting Tackle Inspector (LTI) Training

1, 2 or 3 Day Session

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Learn how to correctly inspect the lifting Tackle in your workshop and become an appointed inspector for the user.

What will be covered in this Course?

The LTI Training is focused on increasing the students' knowledge on the correct and conforming methods of performing lifting tackle inspection tasks. The **SANS 2972**.

Delegates that require more practical experience can join our inspection team to gain experience. The student must cover their own transport and PPE cost for the practical sessions.

Who will be presenting the Course?

This training course material was compiled, documented, and will be presented by a subject matter expert & LMI with more than 30 years' experience. The course is a combination of theoretical & practical training.

What Items are discussed in Day 1

- Lifting Tackle versus Lifting Machines - Basics
- OHS Act 85 of 2015 & DMR (18)
- Colour coding of equipment
- Steel wire rope slings & end fitting
- Chain slings, steel hooks & alloy components
- Textile slings (endless round and flat eye type)

What Items are discussed in Day 2

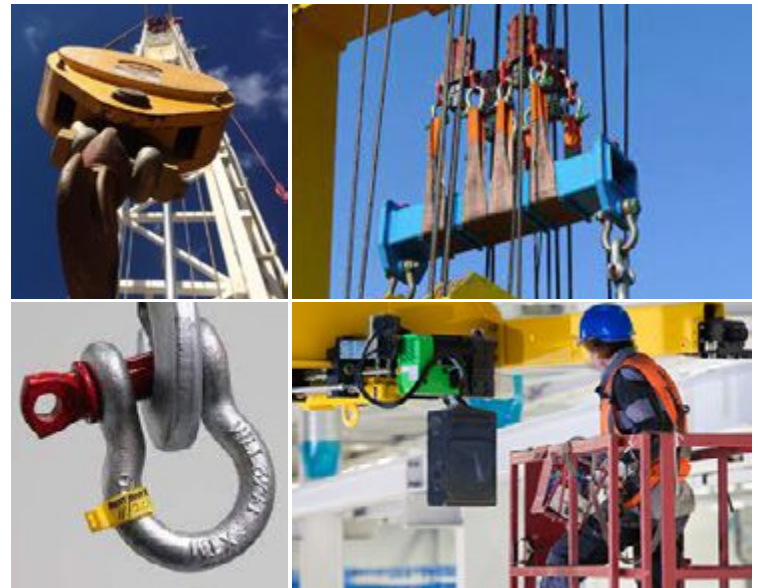
- All items from the 1 day course as well as:
- Shackles & eye bolts, nuts hoist rings and swivels
- Turn-buckles & rigging screw
- Spreaders, plate grabs and drum clamps

What Items are discussed in Day 3

- All items from the 1 & 2 Day session as well as:
- Lifelines - Wire Rope - SANS 2408
- Manual Chain Hoists - SANS 500:2019
- Pre & Post Assessment - Written Feedback

Course Entry Requirements:

Maths and English literacy (Minimum Grade 10 or Std 8)





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Training Contents - Day 1 Course

1. INTRODUCTION & LEGALITIES:

Course Objectives

- 1.1 Lifting Tackle versus Lifting Machines
- 1.2 Standards & Legal Issues
- 1.3 OHS Act 85 of 2015 ☐ Driven machinery regulations (18)
- 1.4 Legal factor of safety ratios
- 1.5 Colour coding of equipment

2. Steel wire rope slings & end fittings

- 2.1 Rope Lay types & direction
- 2.2 Correct diameter measurement
- 2.3 Discard Criteria

3. Chain slings & all components

- 3.1 Different chain grade & properties
- 3.2 Chain markings & codes
- 3.3 Discard Criteria

4. Textile slings (endless round and flat eye type webbing slings)

- 4.1 Different webbing manufacturing videos
- 4.2 Destructive testing reveals physical effects of defects
- 4.3 Discard Criteria

Training Contents - Day 2 Course

5. Steel Hooks

- 5.1 Hook markings
- 5.2 Discard Criteria

6. Shackles & Eye bolts, nuts hoist rings, swivels, Turn-buckles & rigging screws

- 6.1 Different shackles, Fed Spec, Stainless & Commercial
- 6.2 Discard Criteria
- 6.3 Rope clip assembly
- 6.4 Eyebolt & hoist ring types

7. Spreaders, plate grabs and drum clamps

- 7.1 Spreaders & the legal requirements
- 7.2 Plate grabs & drum clamp types and markings
- 7.3 Discard Criteria

Training Contents - Day 3 Course

8. Man & goods cages

- 8.1 Cages & the legal requirements
- 8.2 Discard Criteria

9. Safety Lifelines

- 9.1 Discard Criteria

10. Manual Chain Hoists

- 10.1 Inspection points ☐ practical
- 10.2 Discard Criteria

11. Written Assessment ☐ 90 Minutes

12. Practical Assessment - Inspect 35 Items - 120 Minutes