



Fulford

CERTIFICATION

Overhead Crane Fundamentals Content Overview

Overhead Crane Accidents

- Accident statistics
- Economic & social impacts
- Common injuries
- Causes of accidents

Overhead Crane Types & Components

- Components & terminology
- Types of overhead cranes

Regulations

CSA, ASME and WorkSafe regulations:

- Operational inspections
- Crane operator training
- Operator responsibilities - before, during and after the lift

Hand Signals

- Demonstrate all common hand signals

Pre-Operation

- Operator requirements
- Crane disconnect
- Pre-shift inspection
- Tagged hoists
- Controls
- Brakes

- Hook and block
- Load chain and wire rope
- Reeving
- Limit switches
- Lubricant leaks
- Sounds
- Warning Labels
- Inspect rigging
- Lock out procedures

Crane Operation

- Attaching rigging
- Warning devices
- Operator awareness
- Responding to signaller
- VFD's vs. 1 speed cranes
- Lifting only vertically
- Test lift
- Smooth operation
- Movement of the load
- Suspended loads
- Load control
- Landing & securing the load
- Malfunctioning crane
- Shut down procedures