

Safe Mobile Crane Operation

This program is designed for industrial equipment operators responsible for the operation and basic maintenance of mobile cranes. It combines classroom instruction with practical field exercises based on the operator's needs. Emphasis is placed on the importance of safety within the industry.

RESPONSIBILITIES

Objective: To describe the responsibilities of the major groups involved in the operation of the crane.

SUBTOPICS:

- Operator's Responsibilities
- Signaller's Responsibilities
- Employer's Responsibilities

PRE-OPERATIONAL SAFETY CHECKS

Objective: To perform the required safety checks on the crane prior to operation.

SUBTOPICS:

- Basic Parts of the Crane
- Types of Malfunction
- Inspection Procedures
- Lubrication
- Hydraulic Systems
- Safety Precautions

MACHINE ORIENTATION

Objective: To gain familiarity with basic crane operations.

SUBTOPICS:

- Instructor's Orientation
- Pre-Start-Up Checks

OPERATIONAL SAFETY CHECKS

Objective: To perform the required safety checks on the crane immediately prior to start-up.

SUBTOPICS:

- Start-Up Procedures
- Equipment Set-Up
- Operating Hazards

FIELD EXERCISE #1

Objective: To perform basic check inspections of the crane.

SUBTOPICS:

- Instructor's Demonstration
- Participant's Demonstration

JOB PLANNING

Objective: To plan all necessary aspects of a lift prior to implementation.

SUBTOPICS:

- Site Evaluation
- Operating Radii
- Equipment Selection
- Working Position

JOB IMPLEMENTATION

Objective: To examine safe crane operating procedure.

SUBTOPICS:

- Equipment Set-Up
- Load Movement
- Travelling Safety Precautions

FIELD EXERCISE #2

Objective: To demonstrate on-site crane operations.

SUBTOPICS:

- Instructor's Demonstration
- Participant's Demonstration