



TRAINING OUTLINE

COURSE TITLE: _____ **DATE:** _____ **INSTRUCTOR:** _____

LOCATION: _____ **TIME:** _____ **COMPANY:** _____

Safety training was conducted on the above date by the instructor indicated. The following line items identify the topics covered during the training session.

SUMMARY OF TRAINING

1) Introduction

- a) Mobile Crane Types
- b) Training
- c) Standards

2) Anatomy & Components

- a) Inspection Records
- b) Anatomy, Pre-Shift
- c) Interior
 - i. Operator's Manual
 - ii. Capacity, Labels
 - iii. Load Charts
 - iv. Cab Floor
 - v. Seat Belt
 - vi. Emergency Helps
 - vii. Controls
 - viii. Level
 - ix. Hand Signal Charts
 - x. Charts and Indicators
 - xi. Throttle, Brakes
 - xii. Windshield
 - xiii. Mirrors
- d) Exterior
 - i. Chassis, Frame
 - ii. Hoses, Wiring
 - iii. Hydraulic Cylinders
 - iv. Cab Tilt
 - v. Tires
 - vi. Lights
 - vii. Outriggers
 - viii. Revolving Superstructure



TRAINING OUTLINE

- ix. Counterweights
- x. Turret, Boom
- xi. Boom Tip
- xii. Anti-Two-Block Switch
- xiii. Boom Angle Indicator
- xiv. Crane Block, Whip Line
- xv. Wire Rope, Rigging
- xvi. Undercarriage
- xvii. Engine and Refueling
- xviii. Fuel Types
- xix. Attachments, Extensions
- xx. Jib
- xxi. Elevating Personnel

3) Stability Principles

- a) Stability
- b) Leverage
- c) Load Charts
- d) Range Diagram
- e) Load Capacity
- f) Line Configuration
- g) Area of Operation
- h) Boom Length
- i) Load Chart Exercise
- j) Capacity Chart
- k) Dynamic Conditions
- l) Ground Conditions

4) Rigging Considerations

- a) Accident Profile (Rigging)
- b) Rigging-Related Accident
- c) Typical Rigging Hardware
- d) Lifting Hardware
- e) Synthetic Slings
- f) Round Slings
- g) Round Slings cont.
- h) Inspections
- i) Damaged Slings
- j) Capacity
- k) Wire Rope



TRAINING OUTLINE

- l) Basic Rigging Practices
- m) Weight of the Load
- n) Load's Center of Gravity
- o) Sling Angles
- p) Basic Hitches

5) Safe Operations

- a) Training
- b) Planning
- c) Know Your Crane
- d) Inspections, Manual
- e) Mounting, Dismounting
- f) Seatbelts
- g) Personal Protective Equipment
- h) Cab Tilt
- i) Level
- j) Outriggers, Stabilizers
- k) Know Your Worksite
- l) Pedestrians
- m) Traffic
- n) Hoisting Loads
- o) Radius, Load Weight
- p) Side Loading
- q) Tag Lines
- r) Safe Operations
- s) Two-Crane Pick
- t) Communication

6) Common Hazards

- a) Critical Lifts
- b) Common Hazards
- c) Power Line Contact
- d) Accident Profile #1
- e) Electrocution
- f) Outrigger Hazards
- g) Accident Profile #2
- h) Soil Types
- i) Overloading
- j) Accident Profile #3
- k) Two-Blocking the Crane



TRAINING OUTLINE

- l) Accident Profile #4
 - m) Hoisting Personnel
 - n) Accident Profile #5
 - o) Obstructed Vision
 - p) Accident Profile #6
 - q) Distractions
 - r) Fatigue
 - s) Weather: Heat and Cold
 - t) Emotions/Physical Health
- 7) Conclusion