



**New Task Training Form Record**  
**30 CFR Part 46**

**Task: The Operation of LRT-440 Lorain Crane**

Equipment # : CR: 13

Objectives: Employee will demonstrate safe operating procedures for operating a LR-440 Lorain Crane as well as to correctly understand the safety signs that are posted on the equipment.

Training Material: Copy of the Owner's Instruction Manual  
 Company Designated Training Person

**A.) Training Methods:** Review the following sections of the owner's instruction manual and discuss with the designated training person.

(Owner's Instruction Manual)

(Designated Training Person)

**Operation of the Crane**

\*Controls & Instruments pg. 2-2 thru 2-9

Explain and demonstrate how each control inside the cab works, and how it should be properly done  
 Go thru the complete walk thru of how the machine should be inspected every time it goes into use

\*Pre-shift Inspection pg. 3-1

Go over the hand signals that a spotter will give

\*Crane Hand Signals pg. 3-10

Explain how to read the weight chart to do the set-up

\*Load Operation Chart pg. 3-21

Demonstrate how to operate the scale that is equipped in the cab, and how to read it accurately

\*MicroGuard Scale pg. 10-1 thru 10-20

\*Emergency Bypass Switch pg. 10-21

When and how to use the bypass switch

\*Hydraulic Power Lose (Trainer)

Explain what to do if there is a lose of hydraulic power

\*Boom Inspection pg. 4-35

Explain and instruct how to visibly inspect the boom for cracks or any other kind of defects

\*Out-riggers (trainer)

Show how to extended the out-riggers as well as how to lower them to the ground as to level the rig

\*Operating near electrical lines (Trainer)

Explain to the trainee of the danger with the length of the boom in relationship to powerlines that are close

\*Visibility Information (Trainer)

Explain the necessity of the spotter and how to obey what the spotter is indicating for movement of the load since the spotter has the best visibility

\*Slope Operation (Trainer)

The crane should never be operated where the crane is in a sloped position. The crane should only be operated on fairly level ground, and when it itself is level.

**B.) Discuss / Demonstrate:** Discuss / demonstrate the following job responsibilities and the hazards associated with operation.

1.) Pre-Operational Checks

- Back-Up Alarm - Test
- Cooling System Coolant Level - Check
- Indicators & Gauges - Test
- Boom - Inspect
- Tires - Check
- Turn-Table drift switch - Test

- Breaking System - Test
- Engine Oil Level - Check
- Seat Belt - Inspect
- Transmission & Hydraulic system oil level - Check
- Windows - Clean
- Wire Rope - Inspect

2.) Proper starting and operational techniques

- Before starting; make sure to know how to make adjustments to the seat & seat belt
- Know how to work the work lights
- Positioning of the machine to lift
- Windshield Cleaning Techniques
- lever winch, and boom controls
- Windshield wipers
- Hydraulic outriggers
- Precaution of a un-level machine
- Load capacity in respect to the set-up of the crane

3.) Operation of the machine

The designated company trainer will observe the trainee as he/she lifts loads from a location with the out-riggers full extended and down; as well as how to read the load chart for the weight that is about to be picked. The trainee must also demonstrate proper leveling of the machine.

If the trainee fails to show proper operating procedures, the trainer will go back over the information for the failed procedure. Once covered material is covered the trainer will re-observe the trainee perform the task again until the trainer is satisfied that the trainee has the proper skills to perform tasks with this piece of equipment.

C.) The remainder of the task training will be accomplished through the employee (trainee) practicing the operational steps while being closely observed by a competent trainer while performing the task. When the competent person states that the newly-assigned employee has demonstrated proficiency in performing the task safely, the task training will be considered completed. Once completed; the signatures of both employees is required below.

Completed \_\_\_\_\_ (Print Name)  
 Date: \_\_\_\_\_ Trainee: \_\_\_\_\_  
 Completed \_\_\_\_\_ (Print Name)  
 Date: \_\_\_\_\_ Competent Person: \_\_\_\_\_

Duration of Training: \_\_\_\_\_

Company Name: Thelen Sand & Gravel, Inc.

Mine ID#:	11-01228	47-03434	11-03221
&	&	&	&
Location: (circle one)	Antioch Pit	Lange Road Pit	Peterson Pit

Trainee (signature): \_\_\_\_\_

(I certify that the above training has been completed)

Competent Person (Signature): \_\_\_\_\_  
(Signature of person responsible for health and safety training)

**\*\*False certification is punishable under section 110 (a) and (f) of the Federal Mine Safety and Health Act\*\***