

# MOBILE CRANE PRE-USE INSPECTION FORM

<b>Project Name/Location:</b>	<b>Crane Manufacturer:</b>
<b>Description of Work:</b>	<b>Type of Crane:</b>
<b>Date:</b>	<b>Serial Number:</b>
<b>TECO Qualified Operator:</b>	<b>Signature:</b>
<b>Operator NCCCO Card # &amp; Date:</b>	<b>Date of last crane annual inspection</b>

Review condition checks / tests below and check off with the appropriate code: ✓=Yes/Satisfactory, N/A = Not Applicable, X = No/Deficient

JOB HAZARDS CHECKLIST/CREW REVIEW	
Crane will be operated in accordance with OEM recommendations	
Local weather status verified. Safe for duration of lift.	
Current wind speed (_____ mph) Wind speed required to defer lift (_____ mph)	
Swing radius barricade erected with note tag	
Crane grounding required	
Working in vicinity of power lines? If yes, follow TECO's Cranes Operating Near Power Lines Procedure	
Review Manufacturer procedures prior to swinging/stowing jib	
Proper PPE: Hard hats, high visibility apparel, safety glasses, gloves, hearing protection, etc.)	
Awareness of surrounding activities by others (vehicles, forklifts, overhead work, etc.)	
An Escort is required when moving or locating crane	
Crew utilize crane ladders to enter/exit, maintain 3 points of contact at all times	
Weight of load(s) to be lifted verified	
Verified ground bearing pressure less than 2000PSF (if greater, TECO civil engineers to be notified and sign _____)	
First Aid Kit available at worksite	
Supervisor notified of any deficiencies, and deficiencies corrected prior to using cranes	
<b>TECO Safe Work Practices Reviewed</b>	
<b>Signaling Procedures reviewed &amp; agreed upon:</b>	
<b>Pre-inspection form reviewed by TECO Supervisor if work is performed by a contractor:</b>	

### ENVIRONMENTAL

- \_\_\_\_ 1. Secondary Containment under crane in place
- \_\_\_\_ 2. Oil absorbent socks placed near and around drains
- \_\_\_\_ 3. Oil Spill Kit available

### VISUAL GROUND CONDITIONS

- \_\_\_\_ 1. Slope
- \_\_\_\_ 2. Compaction
- \_\_\_\_ 3. Firmness
- \_\_\_\_ 4. Mats/Condition
- \_\_\_\_ 5. Ground/soil/pavement/asphalt conditions acceptable
- \_\_\_\_ 6. Referenced the following prior to setting up crane for verification:
  - Drawings  GPR  Visual Survey  Engineering  Other

### LOCATION WHERE CRANE IS TO BE SET UP:

- Location approved by Tampa Electric

### OPERATOR'S STATION

- \_\_\_\_ 1. Operator's Manual in crane
- \_\_\_\_ 2. Load Charts in crane
- \_\_\_\_ 3. Fire Extinguishers on crane
- \_\_\_\_ 4. Glass in good condition
- \_\_\_\_ 5. Wipers function
- \_\_\_\_ 6. Seat/Seat Belt
- \_\_\_\_ 7. Horn & Backup Alarm function
- \_\_\_\_ 8. Door condition good
- \_\_\_\_ 9. Instruments/Gauges function
- \_\_\_\_ 10. Controls (Labeled)
- \_\_\_\_ 11. LMI functions
- \_\_\_\_ 12. Drum Rotation Indicator
- \_\_\_\_ 13. Boom Angle Indicator
- \_\_\_\_ 14. Crane Level Indicator
- \_\_\_\_ 15. Accelerator/Throttle
- \_\_\_\_ 16. Engine Hours \_\_\_\_\_
- \_\_\_\_ 17. Miles/Hours \_\_\_\_\_
- \_\_\_\_ 18. Other: \_\_\_\_\_

### CARRIER/SUPERSTRUCTURE

- \_\_\_\_ 1. Tire/Wheels
- \_\_\_\_ 2. Lights/Flashers/Flags
- \_\_\_\_ 3. Outriggers/Pads
- \_\_\_\_ 4. Engine & Transmission Oil Level
- \_\_\_\_ 5. Engine Coolant Level
- \_\_\_\_ 6. Hydraulic Hoses/Fittings
- \_\_\_\_ 7. Hydraulic Oil Level
- \_\_\_\_ 8. Engine Fuel Level
- \_\_\_\_ 9. Frame
- \_\_\_\_ 10. Audible Alarms
- \_\_\_\_ 11. Exhaust System
- \_\_\_\_ 12. Guards/Covers/Panels
- \_\_\_\_ 13. Walkways/Handles
- \_\_\_\_ 14. Belts/ Radiator Hoses
- \_\_\_\_ 15. Battery and cables
- \_\_\_\_ 16. Bolts/Nuts
- \_\_\_\_ 17. Oil Leaks
- \_\_\_\_ 18. Other: \_\_\_\_\_

### BOOM ASSEMBLY

- \_\_\_\_ 1. Lubrication
- \_\_\_\_ 2. Sheaves
- \_\_\_\_ 3. Guards/Pins
- \_\_\_\_ 4. Lift Cylinder
- \_\_\_\_ 5. Telescoping Cylinder(s)
- \_\_\_\_ 6. Other: \_\_\_\_\_

### JIB ASSEMBLY

- \_\_\_\_ 1. Lacings/Chords/Structure
- \_\_\_\_ 2. Sheaves
- \_\_\_\_ 3. Guards/Pins
- \_\_\_\_ 4. Steel straps/Pendants
- \_\_\_\_ 5. Jib Bracket Alignment
- \_\_\_\_ 6. Other: \_\_\_\_\_

### WARNING DECALS

- \_\_\_\_ 1. Electrocutation
- \_\_\_\_ 2. Hand Signal Chart
- \_\_\_\_ 3. Crushing Hazard
- \_\_\_\_ 4. Other: \_\_\_\_\_

### WIRE ROPE

- \_\_\_\_ 1. Lubrication
- \_\_\_\_ 2. Condition
- \_\_\_\_ 3. Bracket/Wedge Assembly
- \_\_\_\_ 4. Wire Rope Clips
- \_\_\_\_ 5. Hooks, Balls, Blocks, Clamps, etc.
- \_\_\_\_ 6. Rope Anchors (wedge sockets, button sockets)
- \_\_\_\_ 7. Other: \_\_\_\_\_

### OPERATIONAL TESTING

- \_\_\_\_ 1. Power plant Performance
- \_\_\_\_ 2. Steering
- \_\_\_\_ 3. Brakes(Stopping)
- \_\_\_\_ 4. Travel (Forward/Reverse)
- \_\_\_\_ 5. Outrigger Operation with Mats
- \_\_\_\_ 6. Winch Operation
- \_\_\_\_ 7. Boom Operation
- \_\_\_\_ 8. Telescope Operation
- \_\_\_\_ 9. Anti-Two Block on Crane
- \_\_\_\_ 10. Swing Operation
- \_\_\_\_ 11. Swing Break
- \_\_\_\_ 12. House Lock/360° Lock
- \_\_\_\_ 13. Other: \_\_\_\_\_

### BLOCK/BALL

- \_\_\_\_ 1. Hook & Hook Block (cracks/bends/twists)
- \_\_\_\_ 2. Hook Safety Latches
- \_\_\_\_ 3. Hook & Weight Ball Swivels

### PRE-LIFT

- \_\_\_\_ 1. Crane operator attended pre=lift meeting

- Form submitted at end of shift.

Date/Time/Rep \_\_\_\_\_