

| SAFETY INSPECTION FOR MISCELLANEOUS EQUIPMENT U.S. Army Engineer District, Forth Worth Safety and Health Requirements Manual (EM385-1-1; 3 Nov 03) references in parentheses. | | Date of Inspection: | | |
|---|---|---------------------------|----|-----|
| Contractor or Activity | | Contract No. | | |
| Inspected by: | | GDA: | | |
| Make _____ Model _____ Serial No. _____ | | Name of Competent person: | | |
| CRANE INSPECTION CHECKLIST <i>*Deficiencies will be corrected prior to operation of equipment</i> | | Yes | No | N/A |
| 1 | Are the following documents in the cab of the crane? (16.C.02) | | | |
| 1a | Operating manual from the manufacturer for the specific crane being inspected. | | | |
| | (1) Any operator aids for which the crane is equipped? | | | |
| 1b | Load rating chart for the crane which shall include: | | | |
| | (1) the crane make and model, serial number, and year of manufacturer | | | |
| | (2) Load ratings for all crane operating configurations: including optional equipment | | | |
| | (3) Recommended reeving for hoist line | | | |
| | (4) Operating limits in windy or cold conditions | | | |
| 1c | Crane log book that shows operating hours, inspections, tests, maintenance & repair. Note: Has log been updated daily when crane is used, and is signed by operator & supervisor? Note: Mechanics shall sign after conducting maintenance or repairs. | | | |
| 2 | Does operator have written proof of qualification and training as stated in 16.C.04 and Appendix G? | | | |
| 3 | Has a hazard analysis for set-up and set-down procedures (mobilization, assembly, dismantling, etc.) (16.C.08) | | | |
| 4 | Are adequate clearances provided from electrical sources, fixed objects, and swing radius. (16.C.09) & (11.A.02) | | | |
| 5 | Are adequate communications provided as required? (16.C.11) | | | |
| 6 | Have performance load tests been in accordance with 16.C.13? | | | |
| 7 | Are tag lines used to control loads? (16.C.16) | | | |
| 8 | Has the critical lift plan been completed by a qualified person? (16.C.18 and page 338) | | | |
| 9 | Are all environmental considerations of 16.C.19 being met? | | | |
| 10 | Is crane equipped with boom angle indicator, load-indicating device, means to visually determine levelness, and anti-two block devices? (16.D.01-05) | | | |
| 11 | Are cable-supported booms equipped with boom stops? (16.D.06) | | | |
| 12 | Are booms lowered to ground or secured when not in use? (16.D.11) | | | |
| 13 | Does the unit have a suitable fire extinguisher? (16.A.34) NOTE: Minimum 5- B:C | | | |
| 14 | The operator fully understands the responsibilities of crane operations as outlined in section 16.C.03 | | | |
| 15 | Has qualified person conducted inspection in accordance with 16.C.12 and Appendix H? | | | |

| | | | | | |
|---|----------------------------|-------------------------|---------------------------------|---|--------------------|
| REPORT OF CRANE TEST | | Government Owned | District: | | Date: |
| EM 385-1-1 | | Contractor Owned/Rented | | | |
| Project | | | | Contract No. | |
| Contractor | | | Owner (if rented) | | |
| Make | | Model | | Serial No. | |
| Length of boom | Manufacture Rated Capacity | | Outriggers With Without | Anticipated Max. Load ____ Tons at ____ ft Radius | |
| TEST LOAD | | | | | |
| Position Number | | Radius | | Load | Passed Failed |
| | | | | | |
| | | | | | |
| | | | | | |
| RESULTS OF PERFORMANCE TEST | | | PASSED | | FAILED |
| <p>PERFORMANCE LOAD TESTING Performance load tests shall be conducted in accordance with the manufacturer's recommendations. Test loads shall not exceed 100% of the manufacturer's load rating capacity chart at the configuration of the test.</p> <p>The test shall consist of lifting, lowering, swinging and braking the test load through all positions and operations normally performed to demonstrate the equipment's ability to safely maneuver the load.</p> <p>Written reports of the rated load test, showing test procedures and confirming the adequacy of repairs or alterations, shall be maintained with the crane or derrick or at the on-site project office.</p> | | | | | |
| *See requirements for test loading | | | Condition of following | | |
| | | S | U | | |
| 1. Operator Manual | | | | 19. Travel controls, clutches, brakes | |
| 2. Load chart | | | | 20. Master clutch | |
| 3. Windows | | | | 21. Hoist lines- main, Aux., boom | |
| 4. Fire extinguisher | | | | 22. Hooks, blocks | |
| 5. Interior clean and oil free | | | | 23. Drums | |
| 6. Hearing protection available | | | | 24. Rope anchor on drum | |
| 7. Operable warning device | | | | 25. Sheaves, rollers, equalizers | |
| 8. Anti-two blocking | | | | 26. Swing area guarded | |
| 9. Boom hoist kick out | | | | 27. Railroad track condition | |
| 10. Load indicating device | | | | 28. Rail grabbers-scrapers | |
| 11. Bulkhead lifting device | | | | 29. Crawler chain, tracks, sprockets, rollers | |
| 12. Boom angle indicator | | | | 30. Rotating parts guarded | |
| 13. Drum rotation sensor | | | | 31. Hook rollers, swing circle, roller path | |
| 14. Engine throttle and controls | | | | 32. Mast jib and live mast | |
| 15. Swing controls, clutch, brakes | | | | 33. Boom and jib | |
| 16. Swing lock | | | | <ul style="list-style-type: none"> ▪ Cords, lacings, pins & cotter ▪ Welds, foot and hinge pins ▪ Ware pads and backstraps | |
| 17. Boom hoist control, clutches, brakes | | | | | |
| 18. Main drum controls, clutches, brakes | | | | | |
| 19. Aux. drum controls, clutches, brakes | | | | 34. Boom stops | |

REMARKS:

ATTACHMENTS:

_____ Hazard Analysis for crane set-up and set-down procedures

_____ Communications System

_____ Electrical Clearance Plan

_____ Load Test

_____ Critical Lift Plan

CORRECTION OF DEFICIENCIES * (with date corrected)

- NOTE: Crane shall not be utilized until all deficiencies have been corrected. . If at anytime the machinery or mechanized equipment is removed from and subsequently returned to the project (other than equipment removed for routine off-site operations as part of the project), it shall be reinspected and recertified prior to use.

Superintendent

Contractor Quality Control Representative

Subcontractor Forman

Crane Operator