

SAFETY INSPECTION FOR CRANES AND HOISTING EQUIPMENT USACE, Galveston District

Safety and Health Requirements Manual (EM 385-1-1 15/sep/2008)

Contract No. _____ Date of Inspection: _____
 Prime contractor Name: _____
 Inspector Name/signature: _____
 Make: _____ Name of competent person: _____
 Model: _____ Signature of CP/QP: _____
 Serial no. _____

CRANE INSPECTION CHECKLIST

yesr no n/a

| | | | | |
|----|---|--|--|--|
| 1 | Inspector Qualification and Certification - 16.D.02 | | | |
| 2 | Operator manual available in the cab - 16.A.03 | | | |
| 3 | Documents of certified mechanic inspection -16.A.02 | | | |
| 4 | Does equipment have and in working condition: 16.A.08 | | | |
| | A- Fuel gage | | | |
| | B- Auditable warning devise (horn) | | | |
| | C- Adequate rearview mirrors | | | |
| | D- Non-slip surface on steps | | | |
| | E- Power operator starting device | | | |
| | F- A seat for the operator | | | |
| | G- At minimum two head lights and two taillights | | | |
| | H- Windshield, windows and door | | | |
| | I- A fire extinguisher | | | |
| | J- A Back or motion alarm | | | |
| | K- Rollover protective structures-(ROPS) | | | |
| 5 | Operator manual for hydraulic equipment and attachment- 16.A.10 | | | |
| 6 | Are all guarding and safety devices in place- 16.A.11 | | | |
| 7 | Operator qualification and certificated available- 16.B.01 | | | |
| 8 | Is wire rope in good condition in accordance with- 16.D.12 | | | |
| 9 | Are all documents available in the cab- 16.G.01 | | | |
| 10 | Is load test in accordance with- 16.F.03.b | | | |
| 11 | Is a wind-indicating device available at the cab- 16.I.01 | | | |
| | Attachments: | | | |
| | AHA for crane set-up and set down | | | |
| | Communications system | | | |
| | Electrical clearance plan | | | |
| | Critical lift plan | | | |
| | | | | |

| | | | |
|---|----------------------|------------|-----|
| Report of Crane Test: | | | |
| Government Owned: | | | |
| Contractor Owned/Rented: | If Rented who Owned: | | |
| Length of boom: | | | |
| Manufacture Rate Capacity: | | | |
| Max Work Load Anticipated: | Tons : | Radius Ft: | |
| Position # 1 | Load: | Radius: | |
| Position # 2 | Load: | Radius: | |
| Position # 3 | Load: | Radius: | |
| Position # 4 | Load: | Radius: | |
| Results of Performance Test: | | | |
| Note: Performance load test shall be conducted in accordance with the manufacturer's | | | |
| recommendations. Loads test shall not exceed 100% of the manufacturer's load rating capacity | | | |
| chart at the configuration of the test. | | | |
| The test shall consist of lifting, lowering, swinging and braking the test load through all | | | |
| positions and operations normally performed to demonstrated the equipment's ability to safety | | | |
| maneuver the load. | | | |
| Written reports of the rated load test, showing test procedures and confirming the adequacy | | | |
| of repairs or alterations, shall be maintains with the crane, derrick or at the on-site project office. | | | |
| | | | |
| Condition of following: S= serviceable U= unserviceable N/A= non-applicable | S | U | N/A |
| Load Chart | | | |
| Boom hoist kick out | | | |
| Interior clean and oil free | | | |
| Hearing protection available | | | |
| Operable warning device | | | |
| Anti-two blocking | | | |
| load indicating device | | | |
| Bulkhead lifting device | | | |
| Boom angle indicator | | | |
| Drum rotation sensor | | | |
| Engine throttle and controls | | | |
| Swing controls, clutches and brakes | | | |
| Swing lock | | | |
| Boom hoist controls, clutches and brakes | | | |
| Main drum controls, clutches and brakes | | | |
| Aux. drum controls, clutches and brakes | | | |
| Travel controls, clutches and brakes | | | |
| Master clutch | | | |
| Hoist lines- main, aux. and boom | | | |
| Hooks, blocks | | | |
| Drums | | | |
| Rope anchor on drum | | | |
| Shavers, rollers, equalizers | | | |
| Crawler chain, tracks, sprockets, rollers | | | |
| Rotating parts guarded | | | |
| Mast jib and live mast | | | |

| | | | | |
|--|--------------------------------------|--|--|--|
| | Condition of following: (Continuing) | | | |
| | Boom and jib: | | | |
| | Cords, lacings, pins and cotter | | | |
| | Welds, foot and hinge pins | | | |
| | Ware pads and blackstrap | | | |
| | Boom stop | | | |

Remarks:

All dents, scratches or damage that do not interfere with the safe operation of the equipment

- 1- _____
- 2- _____
- 3- _____
- 4- _____
- 5- _____

Corrections of Deficiencies and date corrected:

Note: Crane shall not be utilized until all deficiencies have been corrected. If at anytime the crane or derrick is removed from and subsequently returned to the project it shall be re-inspected and re-certified prior to use.

Name and Signatures:

Prime Contractor Superintendent: _____

Prime Contractor Quality Control Rep: _____

Subcontractor Forman: _____

Crane Operator: _____

QA/PE : _____