

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 : _____