

CERTIFICATION OF LOAD TEST AND CONDITION INSPECTION

Activity				Building/Location				
Crane No.	Type	OEM's Rated Capacity				Certified Capacity		
		Main	_____ lbs.	_____ feet	(If different from OEM's rated capacity, explain in "Remarks")			
		Aux	_____ lbs.	_____ feet	Main	_____ lbs.	_____ feet	
		Whip	_____ lbs.	_____ feet	Aux	_____ lbs.	_____ feet	
<input type="checkbox"/> Annual Certification		<input type="checkbox"/> Quadrennial Load Test		Appendix "E" Applicable Crane Test Procedure Paragraphs (Include applicable subparagraphs.)				
<input type="checkbox"/> Interim Recertification (Reason _____)								
Category 1 or 4 Cranes *								
Boom Length		Test Load %	Minimum Radius		Load Moment or Maximum Radius			
			Pounds	Feet	Pounds	Feet		
Main								
Aux								
Whip								
Other								
Hook Tram Measurements			Base Meas.	Before Test	After Test			
Main Hook								
Aux Hook								
Whip Hook								
Other								
Category 2 Cranes								
Hoist	Test Load %	Pounds	Hook Tram Measurements					
			Base Meas.	Before Test	After Test			
Main								
Aux								
Other								
Category 3 Cranes								
Hoist	Test Load %	Pounds	Hook Tram Measurements				Test Director (Signature)	Date
			Base Meas.	Before Test	After Test		Inspector (Signature)	Date
Main							Inspector (Signature)	Date
Aux								
Other								
Annual Certifications Since Hook NDT						Certifying Official (Signature)		Date
						Expiration Date		
Remarks								
<small>* For mobile cranes, list all test loads and configurations (e.g., over side/over rear, boom extended/retracted, lifts on tires, travelling, etc.).</small>								

FIGURE 3-1

CRANE CONDITION INSPECTION RECORD

Note: Inspect components that are reasonably accessible without disassembly.

Crane No.:	Type:	Location:	Operator's Name:		Operator's License No.	
Purpose of Inspection:		Legend: B = Before A = After D = During		Date Started:	Date Completed:	
Item No.	Item Description	B	D	A	Insp/ Init.	
1	Inspect structural components for damaged or deteriorated members, and for evidence of loose and missing fasteners and cracked welds.					
2	Inspect wire rope for wear, broken wires, corrosion, kinks, damaged strands, crushed or flattened sections, condition of sockets, dead end connections, and for proper lubrication.					
3	Inspect hooks for cracks, sharp edges, gouges, distortion, and freedom of rotation.					
4	Inspect hoist brakes and clutches, and rotate brakes on floating cranes for condition, wear, proper adjustment and proper operation. Spot check horizontal movement brakes and clutches for condition, wear, proper adjustment and proper operation.					
5	Inspect controls and control components for condition and proper operation.					
6	Inspect motors for condition and proper operation.					
7	Inspect limit switches for condition and proper operation. (Hook lower limit switch inspections/verifications may be performed at the maintenance inspection in lieu of the CCIR. Annotate in Remarks block if performed at the maintenance inspection.)					
8	If load test is performed at certification, inspect load indicators, load warning devices, and load shutdown devices for condition and working accuracy as specified in appendix C or D as applicable. (This may be performed at the maintenance inspection in lieu of the CCIR. Mark N/A if performed at the maintenance inspection.)					
9	Inspect mechanical equipment (shafts, couplings, gearing, bearings, etc.) for condition and proper operation.					
10	Inspect sheaves for condition and evidence of loose bearings and misalignment.					
11	Inspect wheels, axles, and trolley rails (as applicable) for uneven wear, cracks, and for condition and evidence of loose bearings and misalignment.					
12	Inspect load chains and sprockets for condition and proper operation.					
13	Verify capacity chart or hook load rating data is in view of operator and/or rigging personnel.					

Figure 3-3 (1 OF 2)

Item No.	Item Description	B	D	A	Insp/ Init.
14	Inspect operator's cab for cleanliness and operation of equipment.				
15	Inspect machinery house for cleanliness, proper safety guards, warning signs, and storage of tools and equipment.				
16	Verify proper operation of indicators, indicator lights, gauges, and warning devices.				
17	Verify current inspection of fire protection equipment.				
18	Verify that pressure vessel inspection certificates are posted and current. (See UFC 3-430-07 or appropriate document for test procedures.)				
19	Inspect outriggers, pads, boxes, wedges, cylinder mountings and level indicators for condition and proper operation.				
20	Inspect tires, crawler tracks, travel, steering, braking, and locking devices for condition and proper operation. (Applies to mobile cranes, boat hoists, rubber-tired gantry cranes, and certain category 4 cranes.)				
21	Verify accuracy of radius and/or boom angle indicator as specified in appendix C.				
22	Inspect pawls, ratchets, and rotate locks for proper engagement and operation of interlocks.				
23	Inspect tanks, lines, valves, drains, filters, and other components of air systems for leakage and proper operation.				
24	Inspect reservoirs, pumps, motors, valves, lines, cylinders, and other components of hydraulic systems for leakage and proper operation.				
25	Inspect engines and engine-generator sets for condition and proper operation.				
26	Inspect counterweights and ballast for condition and evidence of loose and missing fasteners.				
27	Verify barge compartment (voids) cover bolts are installed.				
28	Verify accuracy of list and trim indicators against design data or previous test data.				
29	Inspect rotate path assembly and center pin steadiment/support assembly for condition and proper operation.				
30	Inspect slewing ring bearings for condition and proper operation.				
31	Inspect travel trucks, equalizers, and gudgeons for condition and proper operation.				
Remarks:					
Inspector Signature/Date:		Test Director Signature/Date:			

Figure 3-3 (2 of 2)