**CRANE CONDITION INSPECTION RECORD**

Note: Inspect components that are reasonably accessible without disassembly.

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| 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 on all cranes, 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. For cranes that utilize secondary or backup controllers, all controllers shall be operationally tested during either the maintenance inspection or the condition inspection/test. Annotate in Remarks block which controllers have been operationally tested during the maintenance inspection. | | | | | |  |  |  |  |
| 6 | Inspect motors for condition and proper operation. | | | | | |  |  |  |  |
| 7 | Inspect limit switches for condition and proper operation. (Hook lower limit switch inspections/verifications (where a switch is set for drydock or pit operation) and secondary upper limit switch inspections/verifications may be performed at the maintenance inspection in lieu of the condition inspection . Annotate in Remarks block if performed at the maintenance inspection.) | | | | | |  |  |  |  |
| 8 | If a load test is performed at certification, inspect LIDs, 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 condition inspection. Annotate in Remarks block 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. | | | | | |  |  |  |  |

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| Item No. | Item Description | | B | D | A | Insp/ Init. |
| 14 | Inspect operator's cab for cleanliness and operation of equipment. | |  |  |  |  |
| 15 | Inspect machinery house/area 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, mobile 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. (This may be performed at the maintenance inspection in lieu of the condition inspection. Annotate in Remarks block if performed at the maintenance inspection.) | |  |  |  |  |
| 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: | | | | |
| Inspector Signature/Date: | | Inspector Signature/Date: | | | | |

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