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| **Crane: 120 ton Room: 15 MW Test Bay** | | | | | | | | | | | | | | | | | | | | | |
| **Requirements**   1. Operators must perform a pre-use inspection for the items listed below. 2. Any equipment found to be unsatisfactory must be removed from service. 3. Operators must notify the equipment custodian, who will submit a service request to the crane inspector. Continued use may be permitted if authorized by the crane inspector in notes/comments. 4. Completed checklists must be kept on file for a minimum of 5 years. | | **Crane ID**  **(A, B, C)** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Inspected by:** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Date:** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **#** | **Equipment Description and Inspection Criteria** | | **ü = Satisfactory, U = Unsatisfactory, N = Not Applicable** | | | | | | | | | | | | | | | | | | |
| **1** | **Operating mechanism –** Check for proper operation and adjustment and note any unusual sounds or noise due to chain binding or bearing squeal | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **2** | **Limit switch –** Test upper-limit switch. If the hoist has a lower-limit switch, test it with  No-load before lowering any load that could bring the lower-limit switch into operation. | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **3** | **Bridge movement**- assure the bridge moves smoothly on its supports. | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **4** | **Hoist braking** – Confirm that the brakes are functioning | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **5** | **Hooks & hook latches** – Check for: excessive throat opening, bent or twisted elements, and sticky swivel or rough surfaces. Check latches (if present) for damaged spring, bent or missing hardware. Check self-locking hooks (if present) for proper operation and locking. | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **6** | **Hoist ropes and end connections** – Check for rope distortions such as kinking, crushing, upstanding, bird-caging, main strand displacement or core protrusion; corrosion, broken or cut strands. Note number, distribution, and type of visible broken wires. | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **7** | **Spooling –** Check ropes for proper spooling on drum(s) and sheave(s) | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **8** | **Trolley wiring** – Ensure wire collects and moves freely | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **9** | **Bridge** – Look for loose items or obstructions (visual inspection from floor level only) | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Notes/comments:** | | | | | | | | | | | | | | | | | | | | | |
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**Revision History**

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| --- | --- | --- | --- | --- |
| Revision | Date | Summary of change | Author | Approver |
| A | 01/09/2020 | Initial issue |  |  |
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