**Appendix B**

**Crane & Hoist Monthly Inspection Checklist**

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|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **#** | **Inspection Item** | **Yes** | **No** | **N/A** |
| 1 | Conduct pre-use inspection of equipment. Does it pass the pre-use inspection? (See Appendix A) |  |  |  |
| 2 | Any deformed, cracked, or corroded members? |  |  |  |
| 3 | Are there worn, cracked, or distorted parts such as pins, bearings, wheels, shafts, gears, rollers, locking and clamping devices, bumpers, and stops?  |  |  |  |
| 4 | Is there excessive wear or improper operation of the brake system parts, linings, pawls, chain sprockets or ratchets?  |  |  |  |
| 5 | Any cracked or worn sheaves and drums? |  |  |  |
| 6 | Are there loose or missing bolts, nuts, pins or rivets? |  |  |  |
| 7 | Is there any signs of pitting or deterioration of controllers, master switches, contacts, limit switches, and push button stations?  |  |  |  |
| 8 | Are load, wind, and other indicators properly operating? |  |  |  |
| 9 | Are gasoline, diesel, electric, or other power plants performing properly? |  |  |  |
| 10 | Are stops provided at the limit of travel of the trolley? |  |  |  |
| 11 | Corroded, cracked, bent, worn, or improperly applied end connections?  |  |  |  |
| 12 | Load chain reeving for compliance with hoist manufacturer’s recommendation?  |  |  |  |

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| --- | --- | --- | --- | --- |
|  | **Hook** |  |  |  |
| 13 | Is there any gouges, nicks, weld spatter, corrosion, deformation, cracks? |  |  |  |
| 14 | Has the hook throat opening increased 5%, not to exceed ¼ inch (6 mm), more than the normal throat opening measured at the narrowest point?  |  |  |  |
| 15 | Is there any bend or twist from the plane of the unbent hook?  |  |  |  |
|  | **Chain** |  |  |  |
| 16 | Is there excessive drive chain stretch?  |  |  |  |
| 17 | Test the hoist under load in lifting and lowering directions and observe the operation of the chain and sprockets. Does the chain feed smoothly into and away from the sprockets? |  |  |  |
| 18 | Does the chain bind, jump, or is noisy? If so, clean chain. If trouble continues inspect the chain and mating parts for wear, distortion, or other damage. |  |  |  |
| 19 | Slacken the chain and move the adjacent links to one side to inspect for wear at the contact points. Is wear observed? Is stretching suspected?  |  |  |  |
| **Refer to owner’s manual for any additional inspection items:****Comments:** |

Crane ID number or identifier:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Inspector (print):\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Sign:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_