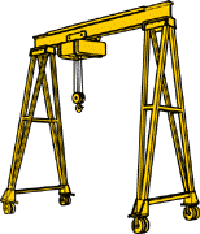
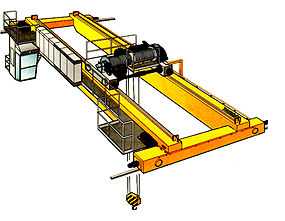
**CRANE/HOIST**

**INSPECTION**

**PROGRAM**

**GENERAL INDUSTRY**

**PREFACE**

**HOW TO USE THIS SAMPLE PROGRAM**

**TO THE EMPLOYER:**

The purpose of this sample program is intended to serve as a guide for an employer in setting up a crane and hoist inspection program. The essential elements of this program include:

* Top management commitment;
* Inspection and maintenance conducted by competent employees and managers;
* Copies of the required OSHA Standards and American National Safety Institute Standards;
* Copies of manufactures specifications and operator manuals; and
* Proper inspection and maintenance records.

Each crane and hoist should have the following on file:

* Copy of the manufactures specifications, maintenance manual and operators manual;
* Load test records;
* Wire rope/chain purchase documents and certifications; and
* Documentation of all major repairs.

The following ANSI Standards are referenced in this document:

ANSI B30.2 Overhead and Gantry Cranes

ANSI B30.10 Hooks

ANSI B30.11 Monorail Systems and Underhung Cranes

ANSI B30.16 Overhead Hoist (Underhung)

ANSI B30.17 Overhead and Gantry Cranes

The above ANSI Standards may be obtained from:

American National Standards Institute

Attn: Customer Service

11 West 42nd Street

New York, NY 10036

Phone: (212) 642-4900 Fax: (212) 302-1286

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| CRANE INSPECTION SCHEDULE AND MAINTENANCE REPORT  ANSI B30.2/OSHA 29 CFR 1910.179 Cranes, B30.11 Monorail Cranes, and B30.17 Overhead and Gantry Cranes  LOCATION: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ DATE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  CAPACITY: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ SPAN: \_\_\_\_\_\_\_\_\_\_\_\_ TYPE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  MFG. SER. NO.: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ PLANT ID NO.: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | | | | | | | |
|  | COMPONENT &  LOCATION |  | | CONDITION | | | | | | CORRECTIVE  NOTES |
| LOCATION | COMPONENT | FREQUENT | PERIODIC | OKAY | ADJUST | REPAIR | REPLACE | LUBRICATE | CLEAN | DESCRIBE,  INITIAL,  AND DATE  WHEN CORRECTED |
| BRIDGE/MONORAIL | MOTOR |  | O |  |  |  |  |  |  |  |
| BRAKE & HYDRAULICS | O |  |  |  |  |  |  |  |  |
| CONTROL PANELS |  | O |  |  |  |  |  |  |  |
| CONTROL OPERATION | O |  |  |  |  |  |  |  |  |
| RESISTORS |  | O |  |  |  |  |  |  |  |
| LIGHTS | O |  |  |  |  |  |  |  |  |
| TROLLEY CONDUCTORS |  | O |  |  |  |  |  |  |  |
| RUNWAY COLLECTORS | O |  |  |  |  |  |  |  |  |
| REDUCER | O |  |  |  |  |  |  |  |  |
| COUPLINGS | O |  |  |  |  |  |  |  |  |
| LINE SHAFT BEARINGS | O |  |  |  |  |  |  |  |  |
| WHEELS | O |  |  |  |  |  |  |  |  |
| WHEEL GEARING | O |  |  |  |  |  |  |  |  |
| WHEEL BEARINGS | O |  |  |  |  |  |  |  |  |
| GIRDER CONNECTIONS |  | O |  |  |  |  |  |  |  |
| ALIGN. & TRACKING |  | O |  |  |  |  |  |  |  |
|  | TROL. RAILS & STOPS |  | O |  |  |  |  |  |  |  |
|  | GUARDS & COVERS | O |  |  |  |  |  |  |  |  |
|  | BUMPERS |  | O |  |  |  |  |  |  |  |
|  | RAIL SWEEPS |  | O |  |  |  |  |  |  |  |

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| NOTE: IF NOT APPLICABLE DRAW A LINE THROUGH THE ITEM. |

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|  | COMPONENT &  LOCATION |  | | CONDITION | | | | | | | CORRECTIVE  NOTES |
| LOCATION | COMPONENT | FREQUENT | PERIODIC | OKAY | ADJUST | REPAIR | REPLACE | | LUBRICATE | CLEAN | DESCRIBE,  INITIAL,  AND DATE  WHEN CORRECTED |
| CAB | MASTER SWITCHES | O |  |  |  |  |  | |  |  |  |
| MAINLINE DISCONNECT | O |  |  |  |  |  | |  |  |  |
| WARNING DEVICE |  |  |  |  |  |  | |  |  |  |
| FIRE EXTINGUISHER | O |  |  |  |  |  | |  |  |  |
|  |  |  |  |  |  |  | |  |  |  |
| MAIN HOIST | MOTOR |  | O |  |  |  |  | |  |  |  |
| HOLDING BRAKE | O |  |  |  |  |  | |  |  |  |
| ELEC. CONTROL BRAKE | O |  |  |  |  |  | |  |  |  |
| CONTROL PANELS |  | O |  |  |  |  | |  |  |  |
| CONTROL OPERATION | O |  |  |  |  |  | |  |  |  |
| RESISTORS |  | O |  |  |  |  | |  |  |  |
| UPPER LIMIT SWITCH | O |  |  |  |  |  | |  |  |  |
| MECH. LOAD BRAKE | O |  |  |  |  |  | |  |  |  |
| REDUCER | O |  |  |  |  |  | |  |  |  |
| COUPLINGS | O |  |  |  |  |  | |  |  |  |
| UPPER SHEAVES |  | O |  |  |  |  | |  |  |  |
| ROPE DRUM |  | O |  |  |  |  | |  |  |  |
| \* WIRE ROPE | O |  |  |  |  |  | |  |  |  |
| BOTTOM BLOCK | O |  |  |  |  |  | |  |  |  |
| HOOK & LATCH | INSPECT IN ACCORDANCE WITH ANSI B30.10 | | | | | | | | | |
| \* DENOTES: WIRE ROPE MUST HAVE AT LEAST TWO WRAPS OF WIRE ROPE ON THE DRUM. | | | | | | | | | | |
| AUXILARY HOIST | MOTOR |  | O |  |  |  | |  |  |  |  |
| HOLDING BRAKE | O |  |  |  |  | |  |  |  |  |
| ELEC. CONTROL BRAKE | O |  |  |  |  | |  |  |  |  |
| CONTROL PANELS |  | O |  |  |  | |  |  |  |  |
| CONTROL OPERATION | O |  |  |  |  | |  |  |  |  |
| RESISTORS |  | O |  |  |  | |  |  |  |  |
| UPPER LIMIT SWITCH | O |  |  |  |  | |  |  |  |  |
| MECH. LOAD BRAKE | O |  |  |  |  | |  |  |  |  |
| REDUCER | O |  |  |  |  | |  |  |  |  |

NOTE: IF NOT APPLICABLE DRAW A LINE THROUGH THE ITEM.

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|  | COMPONENT &  LOCATION |  | | CONDITION | | | | | | | | | CORRECTIVE  NOTES |
| LOCATION | COMPONENT | FREQUENY | PERIODIC | OKAY | ADJUST | REPAIR | | REPLACE | | LUBRICATE | | CLEAN | DESCRIBE,  INITIAL,  AND DATE  WHEN CORRECTED |
| AUXILIRAY HOIST (CONT.) | COUPLINGS | O |  |  |  |  | |  | |  | |  |  |
| UPPER SHEAVES |  | O |  |  |  | |  | |  | |  |  |
| ROPE DRUM |  | O |  |  |  | |  | |  | |  |  |
| \* WIRE ROPE | O |  |  |  |  | |  | |  | |  |  |
| BOTTOM BLOCK | O |  |  |  |  | |  | |  | |  |  |
| HOOK & LATCH | INSPECT IN ACCORDANCE WITH ANSI B30.10 | | | | | | | | | | | |
| \* DENOTES: WIRE ROPE MUST HAVE AT LEAST TWO WRAPS OF WIRE ROPE ON THE DRUM. | | | | | | | | | | | | |
| TROLLEY | MOTOR |  | O |  |  |  |  | |  | |  | |  |
| BRAKE | O |  |  |  |  |  | |  | |  | |  |
| CONTROL PANELS |  | O |  |  |  |  | |  | |  | |  |
| CONTROL OPERATION | O |  |  |  |  |  | |  | |  | |  |
| RESISTORS |  | O |  |  |  |  | |  | |  | |  |
| TROLLEY COLLECTORS | O |  |  |  |  |  | |  | |  | |  |
| REDUCER | O |  |  |  |  |  | |  | |  | |  |
| COUPLINGS | O |  |  |  |  |  | |  | |  | |  |
| WHEELS | O |  |  |  |  |  | |  | |  | |  |
| WHEEL GEARING | O |  |  |  |  |  | |  | |  | |  |
| WHEEL BEARINGS | O |  |  |  |  |  | |  | |  | |  |
| BUMPERS |  | O |  |  |  |  | |  | |  | |  |
| RAIL SWEEPS |  | O |  |  |  |  | |  | |  | |  |
|  |  |  |  |  |  |  | |  | |  | |  |

NOTE: IF NOT APPLICABLE DRAW A LINE THROUGH THE ITEM.

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|  | COMPONENT &  LOCATION |  | | CONDITION | | | | | | CORRECTIVE  NOTES |
| LOCATION | COMPONENT | FREQUENY | PERIODIC | OKAY | ADJUST | REPAIR | REPLACE | LUBRICATE | CLEAN | DESCRIBE,  INITIAL,  AND DATE  WHEN CORRECTED |
| MISCELLANEOUS | GEN. COND. & HSKPG. | O |  |  |  |  |  |  |  |  |
| RUNWAY RAILS - SPAN |  | O |  |  |  |  |  |  |  |
| RUNWAY RAILS - JOINTS |  | O |  |  |  |  |  |  |  |
| RUNWAY RAILS - WEAR |  | O |  |  |  |  |  |  |  |
| MAIN CONDUCTORS |  | O |  |  |  |  |  |  |  |
| PUSH-BUTTON STATION | O |  |  |  |  |  |  |  |  |
| CABLE REELS | O |  |  |  |  |  |  |  |  |
| GRABS&ATTACHMENTS | O |  |  |  |  |  |  |  |  |
| CAP. & WARN. SIGNS | O |  |  |  |  |  |  |  |  |
| WIND ANCHORS | O |  |  |  |  |  |  |  |  |
| RATED LOAD MARKED/ EACH SIDE | O |  |  |  |  |  |  |  |  |
| PUSH BUTTON CLEARLY & LEGIBLY MARKED | O |  |  |  |  |  |  |  |  |
| REMARKS: Inspect in accordance with manufacturer’s recommendations, or in the absence, consult the applicable ANSI Standard for the crane and ANSI B30.10 Standard for Hooks. | | | | | | | | | | |
| INSPECTION FREQUENCY | | | | | | | | | | |
| NORMAL USE HEAVY USE SEVERE USE | | | | | | | | | | |
| FREQUENT MONTHLY WEEKLY - MONTHLY DAILY-WEEKLY | | | | | | | | | | |
| PERIODIC YEARLY SEMIANNUALLY QUARTERLY | | | | | | | | | | |
| COMMENTS: | | | | | | | | | | |
| INSPECTOR/REVIEWER:  ELECTRICAL INSPECTOR: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  CRANE INSPECTOR: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  MAINTENANCE FOREMAN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | | | | | | | |

NOTE: IF NOT APPLICABLE DRAW A LINE THROUGH THE ITEM.

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| HOIST INSPECTION SCHEDULE AND MAINTENANCE REPORT  ANSI B30.16 OVERHEAD HOISTS (UNDERHUNG - HAND CHAIN OPERATED)  LOCATION: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ DATE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  CAPACITY: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ TYPE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  MFG. SER. NO.: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ PLANT ID NO.: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | | | | | | | |
|  | COMPONENT &  LOCATION |  | | CONDITION | | | | | | CORRECTIVE  NOTES |
| LOCATION | COMPONENT | FREQUENY | PERIODIC | OKAY | ADJUST | REPAIR | REPLACE | LUBRICATE | CLEAN | DESCRIBE,  INITIAL,  AND DATE  WHEN CORRECTED |
| OPERATING MECHANISM | VISUAL | O |  |  |  |  |  |  |  |  |
| GEARS |  | O |  |  |  |  |  |  |  |
| BEARINGS |  | O |  |  |  |  |  |  |  |
| ROLLERS |  | O |  |  |  |  |  |  |  |
| LOCKING/CLAMPING  DEVICES |  | O |  |  |  |  |  |  |  |
| PAWLS |  | O |  |  |  |  |  |  |  |
| PAWL SPRINGS (BRAKE MECH.) |  | O |  |  |  |  |  |  |  |
| FRICTION BRAKE |  | O |  |  |  |  |  |  |  |
| FRICTION DISCS |  | O |  |  |  |  |  |  |  |
| PINONS |  | O |  |  |  |  |  |  |  |
| SHEAVES |  | O |  |  |  |  |  |  |  |
| CAM OR RATCHET |  | O |  |  |  |  |  |  |  |
| ADJUSTMENTS |  | O |  |  |  |  |  |  |  |
| UNUSUAL SOUNDS | O |  |  |  |  |  |  |  |  |
| LOAD SPROCKETS |  | O |  |  |  |  |  |  |  |
| IDLER SPROCKETS |  | O |  |  |  |  |  |  |  |
| HAND CHAIN WHEELS |  | O |  |  |  |  |  |  |  |

NOTE: IF NOT APPLICABLE DRAW A LINE THROUGH THE ITEM.

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|  | COMPONENT &  LOCATION |  | | CONDITION | | | | | | CORRECTIVE  NOTES |
| LOCATION | COMPONENT | FREQUENY | PERIODIC | OKAY | ADJUST | REPAIR | REPLACE | LUBRICATE | CLEAN | DESCRIBE,  INITIAL,  AND DATE  WHEN CORRECTED |
| CHAIN | CLEAN | O |  |  |  |  |  |  |  |  |
| LUBRICATED | O |  |  |  |  |  |  |  |  |
| DEFECTS | O |  |  |  |  |  |  |  |  |
| STRETCHING |  | O |  |  |  |  |  |  |  |
| REEVING | O |  |  |  |  |  |  |  |  |
| ATTACHMENTS |  | O |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| MISCELLANEOUS | LOAD BLOCK |  | O |  |  |  |  |  |  |  |
| SUSPENSION HOUSING |  | O |  |  |  |  |  |  |  |
| CLEVISES |  | O |  |  |  |  |  |  |  |
| YOKES |  | O |  |  |  |  |  |  |  |
| SUSPENSION BOLTS |  | O |  |  |  |  |  |  |  |
| SUPPORTING STRUCT. |  | O |  |  |  |  |  |  |  |
| TROLLEY (IF USED) |  | O |  |  |  |  |  |  |  |
| CAP. & WARNING SIGNS |  | O |  |  |  |  |  |  |  |
| BOLTS, NUTS & RIVETS |  | O |  |  |  |  |  |  |  |
| RATED LOAD MARKED/  EACH SIDE | O |  |  |  |  |  |  |  |  |
| PUSH BUTTON CLEARLY & LEGIBLY MARKED | O |  |  |  |  |  |  |  |  |
| HOOK & LATCH | INSPECT IN ACCORDANCE WITH ANSI B30.10 | | | | | | | | |
| REMARKS: Inspect in accordance with manufacturer’s recommendations, or in the absence, consult ANSI Standard B30.16 for the hoist and ANSI B30.10 Standard for Hooks. | | | | | | | | | | |
| INSPECTION FREQUENCY | | | | | | | | | | |
| NORMAL USE HEAVY USE SEVERE USE | | | | | | | | | | |
| FREQUENT MONTHLY WEEKLY - MONTHLY DAILY-WEEKLY | | | | | | | | | | |

|  |
| --- |
| PERIODIC YEARLY SEMIANNUALLY QUARTERLY |
| COMMENTS: |
| INSPECTOR/REVIEWER:  HOIST INSPECTOR: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  MAINTENANCE FOREMAN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

NOTE: IF NOT APPLICABLE DRAW A LINE THROUGH THE ITEM.

II-2

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| HOIST INSPECTION SCHEDULE AND MAINTENANCE REPORT  ANSI B30.16 OVERHEAD HOISTS (UNDERHUNG -ELECTRIC OR AIR-POWERED HOIST)  LOCATION: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ DATE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  CAPACITY: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ TYPE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  MFG. SER. NO.: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ PLANT ID NO.: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | COMPONENT &  LOCATION |  | | CONDITION | | | | | | CORRECTIVE  NOTES |
| LOCATION | COMPONENT | FREQUENY | PERIODIC | OKAY | ADJUST | REPAIR | REPLACE | LUBRICATE | CLEAN | DESCRIBE,  INITIAL,  AND DATE  WHEN CORRECTED |
| IDLER SPROCKETS | GEARS |  | O |  |  |  |  |  |  |  |
| BEARINGS |  | O |  |  |  |  |  |  |  |
| LOCKING/CLAMPING  DEVICES |  | O |  |  |  |  |  |  |  |
| LIMIT DEVICES | O |  |  |  |  |  |  |  |  |
| MOTOR WEAR |  | O |  |  |  |  |  |  |  |
| LOAD BRAKE |  | O |  |  |  |  |  |  |  |
| ELECTRIC APPARATUS  (IF ANY) |  | O |  |  |  |  |  |  |  |
| CONTROLLER CON-TACTS (IF ANY) |  | O |  |  |  |  |  |  |  |
| SHEAVES |  | O |  |  |  |  |  |  |  |
| ADJUSTMENTS |  | O |  |  |  |  |  |  |  |
| UNUSUAL SOUNDS | O |  |  |  |  |  |  |  |  |
| LOAD SPROCKETS |  | O |  |  |  |  |  |  |  |
| IDLER SPROCKETS |  | O |  |  |  |  |  |  |  |

NOTE: IF NOT APPLICABLE DRAW A LINE THROUGH THE ITEM.

III-1

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | COMPONENT &  LOCATION |  | | CONDITION | | | | | | CORRECTIVE  NOTES |
| LOCATION | COMPONENT | FREQUENY | PERIODIC | OKAY | ADJUST | REPAIR | REPLACE | LUBRICATE | CLEAN | DESCRIBE,  INITIAL,  AND DATE  WHEN CORRECTED |
| CHAIN/WIRE ROPE | CLEAN | O |  |  |  |  |  |  |  |  |
| LUBRICATED | O |  |  |  |  |  |  |  |  |
| DEFECTS | O |  |  |  |  |  |  |  |  |
| STRETCHING |  | O |  |  |  |  |  |  |  |
| REEVING | O |  |  |  |  |  |  |  |  |
| \* ATTACHMENTS |  | O |  |  |  |  |  |  |  |
| END CONNECTION |  | O |  |  |  |  |  |  |  |
| \* DENOTES: IF WIRE ROPE IS USED, MUST HAVE AT LEAST TWO WRAPS OF WIRE ROPE ON THE DRUM. | | | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MISCELLANEOUS | LOAD BLOCK |  | O |  |  |  |  |  |  |  |
| SUSPENSION HOUSING |  | O |  |  |  |  |  |  |  |
| CLEVISES |  | O |  |  |  |  |  |  |  |
| YOKES |  | O |  |  |  |  |  |  |  |
| SUSPENSION BOLTS |  | O |  |  |  |  |  |  |  |
| SUPPORTING STRUCT. |  | O |  |  |  |  |  |  |  |
| TROLLEY (IF USED) |  | O |  |  |  |  |  |  |  |
| CAP. & WARNING SIGNS |  | O |  |  |  |  |  |  |  |
| BOLTS, NUTS & RIVETS |  | O |  |  |  |  |  |  |  |
| RATED LOAD MARKED/ EACH SIDE | O |  |  |  |  |  |  |  |  |
| PUSH BOTTON CLEARLY & LEGIBLY MARKED | O |  |  |  |  |  |  |  |  |
| HOOK & LATCH | INSPECT IN ACCORDANCE WITH ANSI B30.2 | | | | | | | | |
| REMARKS: Inspect in accordance with manufacturer’s recommendations, or in the absence, consult ANSI Standard B30.16 for the hoist and ANSI B30.10 Standard for Hooks. | | | | | | | | | | |
| INSPECTION FREQUENCY | | | | | | | | | | |
| NORMAL USE HEAVY USE SEVERE USE | | | | | | | | | | |
| FREQUENT MONTHLY WEEKLY - MONTHLY DAILY-WEEKLY | | | | | | | | | | |
| PERIODIC YEARLY SEMIANNUALLY QUARTERLY | | | | | | | | | | |
| COMMENTS: | | | | | | | | | | |
| INSPECTOR/REVIEWER:  HOIST INSPECTOR: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  ELECTRICAL INSPECTOR: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  (IF ELECTRIC OPERATED)  MAINTENANCE FOREMAN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | | | | | | | |

NOTE: IF NOT APPLICABLE DRAW A LINE THROUGH THE ITEM.

III-2

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| HOOK INSPECTION SCHEDULE AND MAINTENANCE REPORT  ANSI B30.10 HOOKS  CRANE LOCATION: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ DATE: \_\_\_\_\_\_\_\_\_\_\_\_\_ MODEL #: \_\_\_\_\_\_\_\_\_\_  MANUFACTURER: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ HOIST CAPACITY: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ SERIAL #:\_\_\_\_\_\_\_\_\_\_\_  HOOK LOCATION: MAIN: \_\_\_\_\_ AUXILIARY: \_\_\_\_\_\_  (CHECK ONE) | | | | | | | | | | | | |
| INSPECTION FREQUENCY | | | | | | | | | | | | |
|  | | NORMAL USE | | | | | | HEAVY USE | | | | SEVERE USE |
| FREQUENT | | MONTHLY | | | | | | WEEKLY-MONTHLY | | | | DAILY-WEEKLY |
| PERIODIC | | YEARLY | | | | | | SEMIANNUALLY | | | | QUARTERLY |
| COMPONENT | FREQUENT | | PERIODIC | CONDITION | | | | | | | CORRECTIVE NOTES | |
|  | |  | OK | ADJUST/REPAIR | REPLACE | LUBRICATE | | CLEAN | DESTROY |
| BENT OR TWISTED 10 DEGREES FROM THE PLANE | O | |  |  | NA | NA | NA | | NA |  |  | |
| INCREASED THROAT OPENING EXCEEDING 15% | O | |  |  | NA | NA | NA | | NA |  |  | |
| WEAR EXCEEDING 10% OF ORIGINAL DIMENSION | O | |  |  | NA | NA | NA | | NA |  |  | |
| THROAT OPENING EXCEEDING 15% OF ORIGINAL OPENING | O | |  |  | NA | NA | NA | | NA |  |  | |
| LATCH (IF ANY) | O | |  |  |  |  |  | |  |  |  | |
| HOOKS ARE UNPAINTED | O | |  |  | NA | NA | NA | | NA |  |  | |
| NICKS AND GOUGES | O | |  |  |  |  |  | |  |  |  | |
| \* DISASSEMBLE HOOK |  | | O |  |  |  |  | |  |  |  | |
| RETAINING NUTS | O | |  |  |  |  |  | |  |  |  | |
| COLLARS |  | | O |  |  |  |  | |  |  |  | |
| PINS |  | | O |  |  |  |  | |  |  |  | |
| WELDS |  | | O |  |  |  |  | |  |  |  | |
| RIVETS |  | | O |  |  |  |  | |  |  |  | |

IV-1

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| REMARKS:  \* DENOTES: HOOK DISASSEMBLY, INSPECTION AND NONDESTRUCTIVE TEST (IF REQUIRED): HOOK, RETAINING NUT AND BEARINGS, SHALL BE DISASSEMBLED FROM THE BLOCK AND THOROUGHLY INSPECTED. THE HOOK AND RETAINING NUT SHALL BE VISUALLY INSPECTED FOR THREAD WEAR AND CORROSION DAMAGE. CRANE HOOKS SHALL BE DISASSEMBLED AND VISUALLY INSPECTED. IF THE HOOK IS SUBJECTED TO SEVERE SERVICE NONDESTRUCTIVE TEST SHALL BE CONDUCTED AT LEAST ANNUALLY. BLOCK BEARING PLATE SHALL BE VISUALLY INSPECTED FOR CRACKS, WEAR, OR OTHER DAMAGE. BEARINGS SHALL BE INSPECTED FOR UNUSUAL WEAR AND FREE ROTATION. ALL COMPONENTS SHALL BE LUBRICATED AS REQUIRED DURING ASSEMBLY. WHEN A NONDESTRUCTIVE TEST IS PERFORMED THE ENTIRE HOOK AND RETAINING NUT SHALL BE NONDESTRUCTIVELY TESTED FOR STRUCTURAL DEFECTS.  NONDESTRUCTIVE TEST PERFORMED: YES OR NO  (CIRCLE ONE)  TYPE OF NONDESTRUCTIVE TEST PERFORMED (CHECK ONE):  \_\_\_\_\_ DYE PENETRANT TESTING  \_\_\_\_\_ MAGNETIC PARTICLE TESTING  \_\_\_\_\_ RADIOGRAPHY (X-RAY)  \_\_\_\_\_ ULTRASONIC TESTING  \_\_\_\_\_ OTHER: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  NOTE: ATTACH COPY OF NONDESTRUCTIVE TEST IF PERFORMED.  HOOK INSPECTOR: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  MAINTENANCE FOREMAN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | | |
| MEASUREMENTS | | | | | |
|  | HOOK  POSITIONS | SHANK | BACK/HEEL | BOWL-SADDLE | \*THROAT |
| SHANK HOOK | ORIGINAL DIAMETER |  |  |  |  |
|  | EXISTING DIAMETER |  |  |  |  |
|  | PERCENT OF CHANGE |  |  |  |  |
| \* DENOTES:  MARK HOOK AS NOTED ON THE RIGHT WITH TWO TRAM MARKS. MEASURE BETWEEN THE TWO POINTS TO DETERMINE IF THE THROAT OPENING HAS INCREASED. | |  | | | |

IV-2