



**Overhead Crane and Hoist Inspections**  
Prepared for:

**US Army Reserve Center**

101 Lakeview Drive Charleston, WV 25313  
JUNE 2019 PERIODIC INSPECTION

The attached inspection findings are based upon interpretations of the of the most current versions of applicable OSHA 1910, ASME, ANSI B30, CMAA, and NEC standards and regulations. Correction of noted code and safety deficiencies will return the equipment to a compliant status. Per OSHA and ANSI requirements, all noted safety hazards must be corrected before placing equipment back into service. To ensure that your equipment is safe and productive, we recommend the implementation of a comprehensive inspection program with preventive maintenance incorporating daily shift inspections, weekly to monthly "Frequent Inspections," Monthly to annual "Periodic Inspections."

# Table of Contents

	High	Med	Low	Section
*Service Report	0	0	0	<b>1.0</b>
Periodic Crane & Hoist Inspection Report - AMSA107G	0	0	0	<b>2.0</b>

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# Overview

## Breakdown by Form

Form Type	High	Med	Low	# Forms
*Service Report	0	0	0	1
Periodic Crane & Hoist Inspection Report	0	0	0	1
Overall:	0	0	0	2

## Breakdown by Location

Location	High	Med	Low	# Forms
Not Specified	0	0	0	1
AMSA107G	0	0	0	1
Overall:	0	0	0	2

## Breakdown by Asset

Asset Type	High	Med	Low	# Assets
Overhead Crane	0	0	0	1
Overall:	0	0	0	1

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### \*Service Report

US Army Reserve Center  
101 Lakeview Drive  
Charleston, WV 25313

Performed By: 03-Robert Hilton  
Date Completed: 06/11/2019  
Additional Notes: New contact is rich  
motzer

FolderID: J03-24909 SIR  
FormID: 5744747

Priorities Found:  4 - Good

#### Service Dispatch Details

1. Reported Problem or Work Assignment  
*Periodic inspections*
2. Task List  
**General**  
**operations and structure**
3. Materials, Tools, Equipment Required for Scope of Work  
*Single man lift and lube*

#### Actions Taken & Work Performed

4. Equipment Serial Number and Description **Na**
5. Work Performed  
*Operations and structure*
6. Material Used  
*Lube*
7. Is additional work required to correct the reported problem or complete the scope of work? **(N) No**
8. Service Outcome - The equipment has passed operational checks and is in satisfactory condition to place back into regular service? **(Y) Yes**
9. Are there additional issues with the piece of equipment outside the reported problem or scope of work.? **(N) No**
10. Equipment Used **single man lift**
11. Do additional parts or repairs need to be quoted? **(N) No**

#### Technician Review and Customer Acceptance

12. Customer Purchase Order Number **Na**
13. Date of Work **06/11/2019**
14. Service Technicians **Robert Hilton**
15. Acceptance by Equipment Operator/Owner **Rich Motzer**



### Periodic Crane & Hoist Inspection Report

US Army Reserve Center  
101 Lakeview Drive  
Charleston, WV 25313

FolderID: J03-24909 SIR  
FormID: 5744748



#### Overhead Crane

Completed by: 03-Robert Hilton on 06/11/2019

Location: AMSA107G

Area: Bay 1

CRANE 1 UNIT  
ID: 1

QR Code: C12011956

Status: In Service

Equipment Type: Top Running Single Girder Bridge

Initial Load Test Date: Must Research

Capacity: 10

Power Type: 460/3/60

Crane Manufacturer: Crane 1 Services

Crane Serial Number: J03-09114

Hoist Quantity: Main

Hoist Type, Hoist 1: Wire Rope

Capacity, Hoist 1: 10

Manufacturer, Hoist 1: Shawbox

Model Number, Hoist 1: GC3M10025S202

Serial Number, Hoist 1: 1520UC

Hoist 1 Chain or Wire  
Rope: Length, Diameter &  
End Fittings:

Hoist Lifting Height: 15'

Manufacturer, Hoist 2: N/A

Serial Number, Hoist 2: N/A

Trolley Type: Motorized

Trolley Serial Number: Na

Operator Control Type: Pendant

Pendant Brand: LIFTECH

Access to Equipment: Single Man Lift

Priorities Found: 59 - Good

#### Documentation

1. Initial Load Test Records	(SAT) Satisfactory
2. Monthly Inspection of Hook, Wire Rope, Load Chain	(SAT) Satisfactory
3. Periodic Inspections	(SAT) Satisfactory
4. PM Program	(SAT) Satisfactory

#### General

5. Manufacturer's Markings (Photo Required)	(SAT) Satisfactory	P5
6. Operation Warning Labels	(SAT) Satisfactory	
7. Required Clearances	(SAT) Satisfactory	
8. Capacity Markings	(SAT) Satisfactory	
9. Disconnect and Markings	(SAT) Satisfactory	
10. Control Station & Markings	(SAT) Satisfactory	
11. General House Keeping	(SAT) Satisfactory	
12. Lubrication	(SAT) Satisfactory	
13. Operation Test Performed	(SAT) Satisfactory	

#### Hoist(s)

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14. Hook and Latch	(SAT) Satisfactory
15. Hook Throat Opening Dimension	2 1/2 inches
16. Load Cable (Wire Rope) or Load Chain	(SAT) Satisfactory
17. Wire Rope or Chain Dimension	12 Millimeters
18. Load Block Frame & Guards	(SAT) Satisfactory
19. Lower Sheaves, Pins and Bearings	(SAT) Satisfactory
20. Load Cable or Chain Reaving	(SAT) Satisfactory
21. Load Cable or Chain End Connections	(SAT) Satisfactory
22. Idler Sheave and Pin	(SAT) Satisfactory
23. Running Sheaves and Pins	(SAT) Satisfactory
24. Hoist Frame and Suspension	(SAT) Satisfactory
25. Hoist Gear Box	(SAT) Satisfactory
26. Hoist Shafts & Couplings	(SAT) Satisfactory
27. Motors & Motor Pinions	(SAT) Satisfactory
28. Hoist Motor Brake	(SAT) Satisfactory
29. Hoist Drum or Chain Liftwheel	(SAT) Satisfactory
30. Upper & Lower Limits	(SAT) Satisfactory

### Trolley(s)

31. Frame & Bumper	(SAT) Satisfactory
32. Rail Sweeps / Drop Lugs	(SAT) Satisfactory
33. Wheels & Bearings	(SAT) Satisfactory
34. Wheel Shafts / Axle, Couplings	(SAT) Satisfactory
35. Gears & Coupling Guards	(SAT) Satisfactory
36. Gear Box(s), Open Gears	(SAT) Satisfactory
37. Motors & Pinions	(SAT) Satisfactory
38. Trolley Brake(s) Linings and Discs	(SAT) Satisfactory

### Electric Controls

39. Control Panel & Cover	(SAT) Satisfactory
40. Wiring Cables & Fittings	(SAT) Satisfactory
41. Control Station & Buttons	(SAT) Satisfactory
42. Contactors & Contactor Tips	(SAT) Satisfactory
43. Mainline Contactor	(SAT) Satisfactory
44. Resistors / Soft Start	(SAT) Satisfactory
45. Main Line Conductor	(SAT) Satisfactory
46. Trolley Conductor	(SAT) Satisfactory
47. Collector Shoes	(SAT) Satisfactory

### Crane

48. End Trucks, Bumpers, Buffers	(SAT) Satisfactory
49. Wheels, Axles, Bearings	(SAT) Satisfactory
50. Rail Sweeps, Drop Lugs	(SAT) Satisfactory
51. Shafts, Couplings	(SAT) Satisfactory
52. Girder, Connection, Structure	(SAT) Satisfactory
53. Gear & Coupling Guards	(SAT) Satisfactory
54. Gear Boxes, Open Gears	(SAT) Satisfactory
55. Motors & Pinions	(SAT) Satisfactory
56. Brake (s) Linings & Discs	(SAT) Satisfactory

### Structure / Runway

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57. Runway Beams & Stops	(SAT) Satisfactory
58. Rail, Attachment, Splices	(SAT) Satisfactory
59. Runway, Alignment / Span	(SAT) Satisfactory
60. Columns / Tiebacks	(SAT) Satisfactory
61. Hangers / Brackets	(SAT) Satisfactory

**Date & Signature:**

62. Date of the Inspection **06/11/2019**

63. Lead Inspector Name **Robert Hilton**



**P5.1**



**P38.2**

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