

CERTIFICATION OF WORK
(To be completed by the Contractor and saved in the Contractor's CMMS)

FACID/Building: **PA166** _____ Date of Visit: **June 17,2019** _____

Contractor Personnel on Site:

1. **Ray Modolo** _____
2. _____
3. _____
4. _____
5. _____
6. _____

Work Performed:

Preventive Maintenance - Services Completed (Annual, Quarterly, Monthly, equipment identification, etc.)

1. _____
2. _____
3. _____
4. _____

Inspection, Testing, and Certification

1. **WO #9079 Asset # 6927**
2. _____
3. _____
4. _____

Other Recurring Services

1. _____
2. _____
3. _____
4. _____

Service Calls – Service Call Number and Description

1. _____
2. _____

Over and Above Repair Work – Order Number and Description of Work Completed

**ATTACHMENT J-0200000-05
FORMS**

CERTIFICATION OF WORK

To be signed by the Contractor:

Print Name: Technicians Name Ray Modolo Date: 6/28/19

Signed: Signature on attached Inspection Report

To be signed by Facility Manager:

By signing the Certification of Work, the said government representative signature does not constitute acceptance of any work performed by the contractor, it only acknowledges that the contractor was on-site during the identified timeline:

Print Name/Rank: _____ Date: _____

Signed: **Signature on attached Inspection Report**

E-Mail:

MAINMAN ASSESSMENT REPORT

KONECRANES

Lifting Businesses™

Report created: Jun 18, 2019, 2:52:18 AM

Customer and Service Information

Customer	CMI Management Inc / US Army Reserve		
Business Location	US Army Reserve Center, Coraopolis		
Address	99 Soldiers Ln, Coraopolis		
Agreement	U240-US Army Reserve-PA166-02		
Service Request	1-89442444800		
Description	PIT - June 2019 Mainman Assessment with Routine Maintenance		
PO Number	9079		
Billing Type	Fixed		
Customer Contact	Bernie Koblinsky 703-738-5303 bernie.koblinsky@cmimgmt.com	Konecranes Contact	Thomas Yakich +41297759170-000-0000 tom.yakich@konecranes.com

Summary

Service Request Status:	Completed
Service Products:	Routine Maintenance, MAINMAN Assessment
Assets Serviced:	1

Findings and Actions

Findings and Actions by Asset (Top 5)



Note! The condition of certain components on serviced/inspected cranes cannot be directly verified through visual inspection without further disassembly and/or the use of other inspection methods. These advanced services are excluded from the scope of this service. Inspection frequency for these components should follow OEM recommendations and/or governing regulations. These components are listed separately and identified as follows:

Undetermined Conditions (Unable to Inspect - Not in Scope)

Findings and Actions (1 Assets)

6927

Single girder EOT - 1 trolley wire rope hoist

Manufacturer	DEMAG	Span	22ft
Serial Number	00398	Lift	18ft
Criticality	N/A	Volt/Ph/Hz	480-3-60
Site Location	PA166-02	Duty Class	2m
Capacity/SWL	7.5 Ton		

Service Products	Routine Maintenance & MAINMAN Assessment
-------------------------	--

✓ / ! Comment

Maintenance log book

✓ **Markings** – Visual assessment✓ **Documentation** – Visual assessment

Bridge

Structure

Main girder

- ✓ **Main girder beam and markings** – Visual assessment
- ✓ **Main girder connection** – Visual assessment
- ✓ **Trolley rail** – Visual assessment
- ✓ **Trolley rail end stops** – Visual assessment

End truck

- ✓ **End truck structure** – Visual assessment
- ✓ **Crane driving wheel and bearings** – Visual assessment, Lubricate, Operational ass...
- ✓ **Crane idle wheel and bearings** – Visual assessment, Lubricate, Operational assess...
- ✓ **Crane bumpers** – Visual assessment
- ✓ **Rail sweeps** – Visual assessment

End truck

- ✓ **End truck structure** – Visual assessment
- ✓ **Crane driving wheel and bearings** – Visual assessment, Lubricate, Operational ass...
- ✓ **Crane idle wheel and bearings** – Visual assessment, Lubricate, Operational assess...
- ✓ **Crane bumpers** – Visual assessment
- ✓ **Rail sweeps** – Visual assessment

Crane travelling machinery

- ✓ **Travelling gear** – Visual assessment, Lubricate, Operational assessment
- ✓ **Travelling motor** – Visual assessment, Lubricate, Clean, Operational assessment
- ✓ **Travelling brake** – Visual assessment, Adjust, Clean, Operational assessment
- ✓ **Protection guards and covers** – Visual assessment

Crane travelling machinery

- ✓ **Travelling gear** – Visual assessment, Lubricate, Operational assessment
- ✓ **Travelling motor** – Visual assessment, Lubricate, Clean, Operational assessment
- ✓ **Travelling brake** – Visual assessment, Adjust, Clean, Operational assessment
- ✓ **Protection guards and covers** – Visual assessment

Trolley

Structure

- ✓ **Trolley intermediate structure** – Visual assessment

Trolley idle side

- ✓ **Trolley idle side structure** – Visual assessment
- ✓ **Trolley idle wheel and bearings** – Visual assessment, Lubricate, Operational assess...
- ✓ **Trolley idle wheel and bearings** – Visual assessment, Lubricate, Operational assess...
- ✓ **Trolley bumpers** – Visual assessment
- ✓ **Rail sweeps** – Visual assessment

Trolley driving side

- ✓ **Trolley driving side structure** – Visual assessment
- ✓ **Trolley driving wheel and bearings** – Visual assessment, Lubricate, Operational as...
- ✓ **Trolley driving wheel and bearings** – Visual assessment, Lubricate, Operational as...
- ✓ **Open gear transmission** – Visual assessment, Lubricate, Operational assessment
- ✓ **Trolley bumpers** – Visual assessment
- ✓ **Rail sweeps** – Visual assessment

Trolley traversing machinery

- ✓ **Traversing gear** – Visual assessment, Lubricate, Operational assessment
- ✓ **Traversing coupling** – Visual assessment, Lubricate, Operational assessment
- ✓ **Guide roller** – Visual assessment, Lubricate, Operational assessment
- ✓ **Traversing motor** – Visual assessment, Lubricate, Clean, Operational assessment
- ✓ **Traversing brake** – Visual assessment, Adjust, Clean, Operational assessment
- ✓ **Traversing encoder** – Visual assessment, Operational assessment
- ✓ **Protection guards and covers** – Visual assessment

Hoisting machinery Info

Notification

Date Reported:	Jun 17, 2019
Technician:	Ray Modolo
Task Type:	Load Test/Overload
Fault Code:	Acceptable
Risk:	No direct risk
Recommendation:	No Action
Comment:	Load test done and passed

- ✓ **Hoisting gear** – Visual assessment, Lubricate, Operational assessment
- ✓ **Hoisting motor** – Visual assessment, Lubricate, Clean, Operational assessment
- ✓ **Hoisting brake - holding** – Visual assessment, Adjust, Clean, Operational assessment
- ✓ **Rope drum** – Visual assessment, Operational assessment
- ✓ **Rope guide** – Visual assessment, Lubricate, Operational assessment

- ✓ **Rope clamps** – Visual assessment
- ✓ **Rope drum bearings** – Visual assessment, Lubricate, Operational assessment
- ✓ **Rope anchorage** – Visual assessment
- ✓ **Hoisting wire rope** – Visual assessment, Lubricate, Operational assessment
- ✓ **Upper block** – Visual assessment
 - ✓ **Upper block structure** – Visual assessment
 - ✓ **Rope sheave and bearings** – Visual assessment, Lubricate, Operational assessment

Hook block

- ✓ **Hook block structure and markings** – Visual assessment
- ✓ **Rope sheave and bearings** – Visual assessment, Lubricate, Operational assessment
- ✓ **Crosshead** – Visual assessment, Operational assessment
- ✓ **Thrust ball bearing** – Lubricate, Operational assessment
- ✓ **Hook forging** – Visual assessment
- ✓ **Latch** – Visual assessment, Operational assessment

Electrics

Power supply

- ✓ **Runway mainline disconnect** – Visual assessment, Operational assessment

! **Runway power supply**

Quote

Date Reported: Jun 17, 2019
Technician: Ray Modolo
Task Type: Visual assessment
Fault Code: Other fault
Risk: Safety Risk
Recommendation: Install Product
Comment: Power supply requires ground conductor.

- ✓ **Tow arm** – Visual assessment
- ✓ **Collector assembly** – Visual assessment, Operational assessment
- ✓ **Conductor** – Visual assessment

- ✓ **Crane main switch** – Visual assessment, Operational assessment

- ✓ **Trolley power supply** – Visual assessment, Operational assessment

- ✓ **Tow arm** – Visual assessment
- ✓ **Festoon cable** – Visual assessment
- ✓ **Cable trolley** – Visual assessment, Operational assessment

- ✓ **Pendant power supply** – Visual assessment, Operational assessment

- ✓ **Connection box** – Visual assessment
- ✓ **Festoon cable** – Visual assessment

Control system

- ✓ **Bridge cubicle** – Visual assessment
- ✓ **General wiring and conduits** – Visual assessment
- ✓ **Operation control** – Visual assessment, Operational assessment
- ✓ **Hoist cubicle** – Visual assessment

- ✓ General wiring and conduits – Visual assessment
- ✓ Operation control – Visual assessment, Operational assessment

! Pushbutton pendant

Date Reported: Jun 17, 2019
 Technician: Ray Modolo
 Task Type: Visual assessment
 Fault Code: Electrical fault
 Risk: **Production Risk**
 Recommendation: Repair

Quote

Comment:
 Hoist hot light is not operating, bulb is good, looking light socket is bad. rubber cover on cable is broken

✓ Pushbutton pendant cable – Visual assessment

✓ Hoisting limit switches – Visual assessment, Adjust, Operational assessment

✓ Overload protector – Visual assessment, Lubricate, Clean, Operational assessment

✓ Warning devices – Operational assessment

✓ Operation control – Visual assessment, Operational assessment

✓ Indicating devices – Visual assessment, Operational assessment

Runway

Beam

✓ End stops – Visual assessment

Beam

✓ End stops – Visual assessment



Jun 17, 2019 Tim Peters, Customer



Jun 17, 2019 Ray Modolo, Technician

Undetermined Conditions: Unable to Inspect - Not in Scope (1 Assets)

 6927

Single girder EOT - 1 trolley wire rope hoist

Jun 17, 2019

! Hoisting gear - internal	Notification
Fault Code: Not in Scope	
Risk: Undetermined Condition	
Recommendation: Disassemble/Inspect	
Comment: Disassembly is required to inspect this component. Inspection frequency is as required by the OEM and/or governing regulations	
! Hoisting coupling - internal	Notification
Fault Code: Not in Scope	
Risk: Undetermined Condition	
Recommendation: Disassemble/Inspect	
Comment: Disassembly is required to inspect this component. Inspection frequency is as required by the OEM and/or governing regulations	
! Hook forging - internal	Notification
Fault Code: Not in Scope	
Risk: Undetermined Condition	
Recommendation: Disassemble/Inspect	
Comment: Disassembly is required to inspect this component. Inspection frequency is as required by the OEM and/or governing regulations	
! Hook nut and locking parts	Notification
Fault Code: Not in Scope	
Risk: Undetermined Condition	
Recommendation: Disassemble/Inspect	
Comment: Disassembly is required to inspect this component. Inspection frequency is as required by the OEM and/or governing regulations	

Jun 17, 2019

Component Condition

- ✓ Acceptable (No issues detected)
- ! Need Attention

Findings and Actions

Safety Risk **WARNING**

Indicates an unsafe condition. Failure to remedy such condition before continued operation of the identified asset may result in personal injury, including death, or property damage.

Production Risk

Indicates an inefficient condition. Failure to remedy such condition before continued operation of the identified asset may result in inefficient asset performance or an interruption in production.

Undetermined Condition

Unable to Inspect - Not in Scope

Indicates that the component condition could not be directly verified through visual inspection without further disassembly and/or the use of other inspection methods.

These advanced services are generally excluded from the scope of typical compliance and preventive maintenance inspections. Consultation Services may be added to a Service Program or offered on a stand-alone basis to assess the condition of these components.

Inspection frequency for these components should follow OEM recommendations and/or governing regulations. If these are not readily available, Konecranes recommendations may be used.

If no records are available, disassembly/inspections of these components should be carried out without delay to determine their current condition and to establish a baseline for subsequent inspections.

Undetermined Condition

Not able to Complete

Indicates that the component condition could not be directly verified through visual inspection as a result of asset configuration and/or obstruction. In this case, the visual inspection was part of the service scope but it was not completed.

Improvement Opportunity

Indicates a potential opportunity to improve the safety, productivity, application or useful life of the asset.

Acceptable / Repaired Item

Component condition is verified by Konecranes service technician. No actions required. If a component or other object has been repaired within the service visit, green color code is shown as well.

Repaired Items correspond to those repairs performed by, observed by or reported to the Konecranes Technician during the delivery of the referenced Service Request.

KONECRANES® STORE

SPARE PARTS, ACCESSORIES AND SELECT
PRE-CONFIGURED LIFTING EQUIPMENT
store.konecranes.com

**ONLINE
ANY TIME**

YOURKONECRANES

CRANE MAINTENANCE INFORMATION
AND REMOTE MONITORING DATA
your.konecranes.com

QUOTATION



Quote # 1-155ZAAXA
 Version 1
 Quote Date:
 Jun 18, 2019

Customer Information

Customer	CMI Management Inc / US Army Reserve		
Location	99 Soldiers Lane Coraopolis		
Customer Contact	Randy Baker randy.a.baker.civ@mail.mi	Konecranes Contact	Jared Bliss jared.bliss@konecranes.com
Offer Valid Until	Jul 18, 2019		

Assets

6927

Single girder EOT - 1 trolley wire rope hoist, PA166-02

Business Location	US Army Reserve Center - Coraopolis 99 Soldiers Ln Coraopolis	Service Request	1-89442444800
Contact	Bernie Koblinsky 703-738-5303 bernie.koblinsky@cmimgmt.com	Inspection Date	Jun 17, 2019
		Technician	Ray Modolo

Risk Code	Safety Risk	Comments	USD
Description	1-72928787247	Power supply requires ground conductor.	3,932.32
Fault	Runway power supply		
Recommendation	Other fault	Provide (2) service technicians to supply and install ground bar required per	
	Install Product	NEC/OSHA.	
			6927 3,932.32

CMI Management Inc / US Army Reserve

Name: _____

Date: _____

This quotation is subject to and incorporates as if fully rewritten herein Konecranes' Standard Terms and Conditions of Sale (Service) (latest revision), a copy of which is attached hereto or upon request of Customer.

For each Asset listed above, please indicate your acceptance of the corresponding quotation by taking any of the following actions: (a) placing your signature in the signature block immediately below the Asset indicated; (b) issuing a verbal or written purchase order, work order, or other similar order for the goods and/or services contemplated herein; or (c) giving verbal or written authorization to Konecranes to proceed with the performance of the services and/or delivery of the goods contemplated herein.

QUOTATION



Quote # 1-155ZAAXA
 Version 1
 Quote Date:
 Jun 18, 2019

Currency	USD
Total for all assets	3,932.32
Travel and Equipment Rental	528.00
	4,460.32

Comments

Travel	Travel, shipping & handling is included in quote.
Equipment Rental	If quote is partially awarded, travel times are subject to change; fault lines under \$500 do not include travel time. Konecranes to provide necessary manlift unless otherwise advised by the customer; customer will be charged cost of lift + 20% per day. Quote is based upon work being performed during normal Konecranes service hours, M-F, 7am - 4pm.

This quotation is subject to and incorporates as if fully rewritten herein Konecranes' Standard Terms and Conditions of Sale (Service) (latest revision), a copy of which is attached hereto or upon request of Customer.

For each Asset listed above, please indicate your acceptance of the corresponding quotation by taking any of the following actions: (a) placing your signature in the signature block immediately below the Asset indicated; (b) issuing a verbal or written purchase order, work order, or other similar order for the goods and/or services contemplated herein; or (c) giving verbal or written authorization to Konecranes to proceed with the performance of the services and/or delivery of the goods contemplated herein.