

SERVICE REPORT

KONECRANES®
Lifting Businesses™

Report Created: Sep 22, 2023 2:23 PM

Customer and Service Information

Customer	International Support Group LLC / US Army Reserve Center		
Business Location	US Army Reserve Center, Bayside, 200 Duane Rd		
City	Bayside		
Agreement			
Service Request	1-99445077915		
Description	PHI (NY) - REPAIR FROM SERVICE (per Quote #1-19NWXRGV) Asset #H1 - Supply labor to remove hoist and bring down to floor level to remove damaged wire rope from between drum and frame. After damage wire rope removed, reinstall hoist back onto crane and supply and install new OEM wire rope. Set limits and perform test for proper operation.		
PO Number	10004-1073		
Billing Type	Fixed		
Customer Contact	Noel Taylor 346-777-6762 ntaylor@internationalsupportgroup.com	Konecranes Contact	Brett Kenna 6104273521 brett.kenna@konecranes.com

Component Condition

✓ Acceptable (No issues detected)
! Need Attention

Assets

 H-1	Single girder EOT - 1 trolley wire rope hoist			
Manufacturer	SISSCO			
Serial number	A2840-A			
Criticality	High			
Site Location	H-1 / Truck shop			
Capacity/SWL	10 tons			
Model	SGTRDM			
Service Products	Planned Repairs			
Hoists				
Asset Description	Serial number	Model Type	Manufacturer	Capacity
	CK5835XC	EEW10-23PT19D4	YALE	10 t

! Single girder EOT - 1 trolley wire rope hoist Single girder EOT - 1 trolley wire rope hoist

Quote

Date Reported Sep 18, 2023

Technician Paul Dahlquist

Task Type Load Test/Capacity

Fault Code Other fault

Risk **Safety Risk**

Recommendation Analyze / Survey / Assessment

Comment:

Pat had mentioned that they will be needing a load test to certify the crane before they can use it in standard production. This needs to be scheduled ASAP.

Trolley

Hoisting machinery

CK5835XC, YALE, EEW10-23PT19D4, 10 t

✓ Hoisting wire rope Measure 9.51 mm wire rope diameter

Repaired

Date Reported Sep 18, 2023

Technician Paul Dahlquist

Task Type Operational assessment

Fault Code Cross wrapped on rope drum

Risk **Safety Risk**

Recommendation Replace

Comment:

Wire rope is wedged and wrapped around the drum a couple time at the motor side. Which causes the rope to jump two upper sheaves and kinked wire rope in multiple sections. I recommend replace wire rope and this crane needs to lockout from any further used for safety reasons.

9-18-23

Chris Kirlin, Vaughn Peterman and myself worked together using a 2 man team in the boom lift and the telehandler to surgically remove the old existing wire rope. The hoist drum, hoist frame, limit switches and shivs were all inspected. We carefully installed a new OEM wire rope. All rotary limit switches were calibrated and all hoist functions were tested.

Electrics

! Control system

Quote

Date Reported Sep 18, 2023

Technician Paul Dahlquist

Task Type Operational test

Fault Code Other fault

Risk **Safety Risk**

Recommendation Install Product

Comment:

After talking to pat, he has asked for a quote to install rope angle sensors that would disengage the "up" directional command in the event that the load was being side pulled parallel to the hoist drum to keep this issue from happening again since it has occurred once before.

Trolley cubicle

! Operation control

Quote

Date Reported	Sep 18, 2023
Technician	Paul Dahlquist
Task Type	Visual assessment
Fault Code	Other fault
Risk	Safety Risk
Recommendation	Install Product

Comment:

The trolley motor on this crane is traversing at a very high rate of speed for the application of this crane. They use it primarily to remove and install engines for Humvee's and other basic military equipment. Pat asked me to get him a quote to install a VFD in place of the contactors. 480V, 2 step infinitely variable control with an lc1d25 brake contactor (120V coil).

The MSM5A PE drive came to mind while talking to Brad Ludwig about this application.



Sep 18, 2023 12:06 PM Patrick Murray, Customer



Sep 18, 2023 11:33 AM Paul Dahlquist, Technician



H-1 Single girder EOT - 1 trolley wire rope hoist

Manufacturer	SISSCO	Span	70ft
Serial number	A2840-A	Lift	25ft
Criticality	High	Volt/Ph/Hz	460-3-60
Site Location	H-1 / Truck shop		
Capacity/SWL	10 tons		
Model	SGTRDM		
Service Products	Planned Repairs		
Hoists			
Asset Description	Serial number	Model Type	Manufacturer
	CK5835XC	EEW10-23PT19D4	YALE
			Capacity
			10 t

▼ Single girder EOT - 1 trolley wire rope hoist Single girder EOT - 1 trolley wire rope hoist

Repaired

Date Reported	Aug 13, 2023
Technician	Paul Dahlquist
Task Type	Visual assessment
Fault Code	Other fault
Risk	Safety Risk
Recommendation	Disassemble/Inspect

Comment:

I arrived to assess a damaged wire rope that had been jammed between the frame of the trolley and the rope drum. This trolley/hoist will need to be removed from the bridge, disassembled, assessed, repaired, and then reinstalled on the bridge.

Trolley

SERVICE REPORT

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Hoisting machinery
CK5835XC, YALE, EEW10-23PT19D4, 10 t

✓ Hoisting wire rope Measure 9.51 mm wire rope diameter

Repaired

Date Reported Jul 9, 2023
Technician Paul Dahlquist
Task Type Operational assessment
Fault Code Cross wrapped on rope drum
Risk **Safety Risk**
Recommendation Replace
Comment:



Aug 13, 2023 9:55 AM Noel Taylor, Customer



Aug 13, 2023 9:54 AM Paul Dahlquist, Technician

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

Indicates that the condition could not be directly verified through visual inspection as a result of asset configuration and/or obstruction.

The condition of certain components cannot 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 no records are available, we recommend appropriate inspections be carried out to determine current condition and to establish a baseline for recurring inspections.

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.

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