COSGRU INC.
CRANE & RIGGING SPECIALISTS

Certificate of Inspection and/or Rated Load Test

This documentation form was issued to record the survey (examination and testing) performed by COS GRU on the equipment listed and described below. This form can not be substituted in place of a Local, State, or Federal certificate(s) which may be otherwise required.

Certificate Number: 17216

1. **Equipment Owner:** C. William Hetzer **Contact:** Tom Wibberly: 301.733.7300
   Address: 9401 Sharpsburg Pike, Hagerstown, MD 21740 **e-mail:** TWibberley@cwilliamhetzer.com
2. **Location of Equipment:** Hagerstown, MD Equipment Facility
3. **Equipment Information:** ☒ Crane ☐ Hoist ☐ Other:

Description/Type: Mobile Hydraulic Crawler Crane
Manufacturer: Link Belt
Model Number: HSL 218 Hylab
Serial Number: N6J8 0943
Rated Capacity: 110-Ton
Owner ID: H-309
Boom Length: 120' (Main) **Type:** Tubular Chords & Lacings
Jib Length: 5' **Type:** Off-Set Rooster (Whip-Line)

4. **Application:**
   ☒ General Lifting ☐ Pile Driving ☐ Drag-line ☐ Lifting Personnel ☐ Magnet ☐ Concrete ☐ Demolition ☐ Marine
   ☐ Clam-Shelling (Grapple) ☐ Spreader Attachment ☐ Auger ☐ Other:
5. **Industry Classification:**
   ☒ Construction ☒ General Industry ☐ Maritime ☐ Maritime Construction ☐ Mining ☐ NAVFAC P-307 ☐ USCG
   ☐ USACE EM 385-1-1 ☐ MCO P11262.2A ☐ Other:
6. **Type of Examination/Test Performed:**
   ☐ Shift/Post-Assembly ☐ Monthly/Idle ☐ Modified/Repaired/Adjusted ☐ Severe Service ☒ Annual/Comprehensive
   ☐ Rated Load Test ☐ Job Safety Analysis (JSA) ☐ Other:
7. **Remarks and/or limitations imposed:** Survey at C. William Hetzer's Request.

I certify that on the 29th day of March, 2016 the equipment described above was ☒ Examined ☐ Examined and Tested by the Undersigned. And, that the described device evaluated ☒ did meet ☐ did not meet in accordance with the requirements of : 29 CFR 1926.1400 Subpart CC, 29 CFR 1910.180 and ANSI B30.5 Mobile Crane Standards.

By signing this certificate, neither the inspector nor COS GRU Incorporated makes any warranty, expressed or implied concerning the part(s) described in this data report. Moreover, neither the inspector nor COS GRU, Inc. nor any of its employee's shall be held liable in any manner for any personal injury, equipment or property equipment or property damage, of any kind from or connected with the inspection and/or report. In addition, this certificate is only issued subject to the conditions that it is understood and agreed upon that neither COS GRU, INC. nor any of its employee's are to be held responsible for any inaccuracy of any report or certificate issued by COS GRU, Inc. or it's inspectors or for any error of judgment, default or negligence of personnel.

Equipment History	
Prior Test Date:	03-26-15
Prior Test No.:	16915
Test Type:	Annual
Location:	Keedysville, MD
Performed By:	COS

COS GRU Representative
Matthew Cos (443) 915-8200

Matthew Robert Cos
Signature

March 29, 2016
Dated

COSGRU
OSHA Qualified Inspection, Testing, Training, Certification, and Accident Investigation Services
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"Accredited by The United States Department of Labor Under Title 29 Part 1919"

COSGRU INC.
CRANE & RIGGING SPECIALISTS

Annual Mobile Crawler Crane Inspection Checklist

This inspection checklist meets or exceeds the criteria set forth in the Code of Federal Regulations (CFR) and the American National Standard Institute Standards (ANSI). All deficiencies which were recorded on this COS GRU Inspection Checklist must be addressed before COS GRU can issue a certificate of compliance. Please defer to the deficiency page for additional details.

Certificate Number: 17216 **Hours:** 6709.2

GENERAL APPEARANCE:

R	1.	Overall Condition:
X	2.	Maintenance, Fluids & Lubrication:
X	3.	Housekeeping & Anti-Slip Tread:
X	4.	Modifications and/or Alterations Observed:
X	5.	Attachments and Configuration (Approved):
X	6.	Ladders, Steps, Guards, Handholds, Railings, Catwalks:
X	7.	Hydraulics (Tanks, Lines, Fittings, Valves, Hoses, & Fluid):
X	8.	Fuel (Tanks, Mounting, Level, Lines, Gauges, & Markings):
X	9.	Pneumatics (Tanks, Lines, Drainage, & Governors):
X	10.	Electronics (Wiring, Switches, Solenoids & Fuses):
X	11.	Excessive Rust Corrosion Observed:
X	12.	Lift Plans & Engineering Required (Critical):
N/A	13.	Other:

REQUIRED DOCUMENTATION VERIFIED:

X	14.	Operators Manual & Load Charts:
X	15.	Daily, Monthly, Annual Inspection Records (On File):
X	16.	Repair & Maintenance Records (Maintained):
N/A	17.	Other:

CRANE SET-UP: Equipment Facility

X	18.	Crane Set-Up Policies Followed (Level w/in 1%):
X	19.	Crane Mats:
X	20.	Adequate Ground Conditions (Level & Drained):
X	21.	Identifiable Hazards Present:
X	22.	Swing Barricade:
N/A	23.	Other:

REQUIRED SIGNAGE VERIFIED:

X	24.	Electrical Warning Signs:
X	25.	Hand Signal Charts:
X	26.	Manufacturer Instructions & Signage Posted:
X	27.	Swing Warning Signs:
X	28.	Boom Warning Signs:
N/A	29.	Other:

CRAWLER ASSEMBLY:

X	30.	Overall Appearance (Control, Steering, Braking):
X	31.	Excessive Slack Observed::
X	32.	Drive & Idler Assemblies:
X	33.	Tracks, Rollers, Pads, Pins, & Alignment:
X	34.	Car Body & Frame Assembly (Welds):
X	35.	Side Counterweight Assembly (Mounting):
N/A	36.	Other:

UPPER ROTATING ASSEMBLY:

X	37.	Overall Appearance::
X	38.	Swing Assembly (Slew, Mounting Assemblies, & Deflection):
X	39.	Counterweight Assembly: ABC + A
X	40.	A-Frame, Gantry, & Mast Assembly:
N/A	41.	Other:

MACHINERY ROOM:

X	42.	Overall Appearance (Compartments):
X	43.	Engine Assembly (Performance & Handling):
X	44.	Brakes, Clutches, Pumps, Drives, & Converters:
N/A	45.	Other:

BOOM GENERAL APPEARANCE:

X	46.	Overall Structure (Damage, Distortion, Composition):
X	47.	Top Sheaves, Guards, Rollers, Guides, & Buffers:
X	48.	Mountings, Pins, Holes, Hubs, & Retainers:
X	49.	Boom Stops:
X	50.	Boom Pendants:
X	51.	Boom Idler/Point Sheaves, Guards, and Keepers:
X	52.	Reel Line Assemblies:
X	53.	Auxiliary Head Assembly (Rooster):
N/A	54.	Other:

JIB GENERAL APPEARANCE: Off-Set Rooster (Whip-Line)

X	55.	Overall Structure (Damage):
X	56.	Sheaves, Rollers, Guards, Guides, and Wagon Wheels:
X	57.	Mountings, Pins, Holes, Hubs, & Retainers:
N/A	58.	Other:

HOISTING ASSEMBLIES:

X	59.	Main Hoist Wire Rope:
X	60.	Auxiliary Hoist Wire Rope:
X	61.	Boom Hoist Wire Rope:
X	62.	End Connections and Becket Assemblies:
X	63.	Wire Rope Lubrication:
X	64.	Main Block & Auxiliary Ball Assemblies (Identification):
X	65.	Inner/Outer Bail Assemblies (Alignment):
X	66.	Hoist Dogs & Locks:
X	67.	Lifting Attachments & Rigging Assembly:
N/A	68.	Other:

OPERATORS CAB/STATION:

X	69.	Cab Appearance (Doors, Glass, Structure, Mounting):
X	70.	Operator Controls:
X	71.	Operator Seat/Rests:
X	72.	Foot Pedals:
N/A	73.	Other:

SAFETY DEVICES & OPERATIONAL AIDS (PROPER OPERATION)

X	74.	OSHA Req'd Safety Devices (Levels & Fire Exting's):
X	75.	Anti-Two Block Device(s):
X	76.	Load Moment Indicator:
X	77.	Drum Rotational Indicator(s):
X	78.	Mirrors:
X	79.	Electronic Sensors/Kickouts & Alarms (Travel & Swing):
X	80.	Swing Locks:
X	81.	Boom & Luffing Jib Devices (Limits):
N/A	82	Other:

X = Acceptable R = Recommendation D = Deficiency N = Inspection Considerations N/A = Not Applicable

COS GRU INC.
CRANE & RIGGING SPECIALISTS

Boom, Jib, Auxiliary Head, and Tower Survey Report

This Boom, Jib, Auxiliary Head, and Tower inspection were inspected in accordance with the Code of Federal Regulations (CFR), American National Standard Institute Standards (ANSI), and Manufacturer Specifications and Recommendations. All deficiencies which were recorded on this COS GRU Inspection Checklist must be addressed before COS GRU can issue a certificate of compliance. Please defer to the deficiency page for additional details.

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☒ Boom Composition Approved ☐ Boom Composition Not Approved

Boom Description: Tubular Chords & Lacings Sections: 5 Length: 120' (Main)

Jib Description: Off-Set Rooster (Whip-Line) Sections: 1 Length: 5' (Rooster)

Boom, Jib, and/or Tower Sections	Length	Description of Recommendation/Deficiency Submitted For Your Consideration
Main Boom Composition:		
Heel (Installed):	20'	No visible deficiencies were submitted at time of inspection.
#1 Intermediate:	20'	No visible deficiencies were submitted at time of inspection.
#2 Intermediate:	20'	No visible deficiencies were submitted at time of inspection.
#3 Intermediate:	40'	No visible deficiencies were submitted at time of inspection.
#4 Intermediate:	20'	No visible deficiencies were submitted at time of inspection.
Jib:		
Rooster:	5'	No visible deficiencies were submitted at time of inspection.

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CRANE & RIGGING SPECIALISTS

Recommendation Report

The following recommendations submitted below by the qualified inspector are to improve the overall safety and efficiency of the equipment described in this report. All items displayed on this page are strictly recommendations which will not prohibit or prevent this equipment from being certified in accordance with the Code of Federal Regulations (CFR) and/or American National Safety Institute (ANSI.)

Certificate Number: 17216

Checklist Item Number	Description of Recommendation Submitted For Your Consideration
Note:	General Appearance:
1.)	Fire Extinguisher: Expired. Please update prior to next usage.
2.)	Load Charts: Not secured inside the cab. Please secure prior to next usage.
	Note: Load charts were removed temporarily (auction) and replaced post-inspection.
3.)	Cosmetic Surface Rust & Corrosion: Couple of areas along the machine were affected by cosmetic surface rust and corrosion. Strongly recommended to lightly sand with 80/100 grit resin-backed sandpaper (or air needle tight spots), neutralize with rust neutralizer, and repaint at this time. Area's most affected were as followed: Crawler steps & boom intermediate #1 boom chord.)
4.)	Auxiliary Hoist Wire Rope Dead-End: Tail strand becoming loose. Please secure with bailing wire or hose clamp at this time.

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Deficiency Report

The following deficiency(s) submitted below requires your immediate attention. Immediate corrective action and/or diligent monitoring and recording on the described equipment's monthly inspection will be required. The prescribed action defined below by COS GRU solely depends on the component(s) involved, the degree of wear and/or damage observed, whether the deficiency observed poses as an immediate safety or structural concern, and/or whether suitable temporary alternative measures are available for implementation. Since the part(s) defined below were not in compliance in accordance with the Code of Federal Regulations (CFR), American National Safety Institute (ANSI), and/or Manufacturer Recommendations and Specifications, verification of corrective and/or responsive action is required prior to COS GRU Incorporated issuing a certificate of compliance for this described equipment.

Certificate Number: 17216

Checklist Item Number	Description of Deficiency Submitted For Your Consideration
Note:	No visible deficiencies were submitted at time of inspection. Overall, this crane was maintained in excellent condition.

COS GRU INC.
CRANE & RIGGING SPECIALISTS

Wire Rope, Block, Ball and Hook Report

The following wire ropes, load blocks, end connections and all other related lifting attachments listed were inspected in accordance with the Code of Federal Regulations (CFR), American National Standards Institute (ANSI), and Manufacturer Specifications and Recommendations. All deficiencies which were recorded on this COS GRU Checklist must be addressed before COS GRU can issue a certificate of compliance. Please defer to the deficiency page for additional details.

Certificate Number: 17216

1. Wire Rope Information:

[R = Rotational ; R/R = Rotational-Resistant]

Wire Rope	Size	Parts	Type	Damage	Wear	Broken Wires	Rope End Connections	Rope Seizing	Wire Rope Lubrication	Becket Assembly
Main Hoist Wire Rope:	26 mm	4	R/R	None	None	None	Ok	Ok	Ok	Ok
Auxiliary Hoist Wire Rope:	26 mm	1	R	None	None	None	Ok	Ok	Ok	Ok
Boom Hoist Wire Rope:	20 mm	12	R	None	None	None	Ok	Ok	Ok	Ok
Boom Pendants:	32 mm	2	R	None	None	None	Ok	Ok	Ok	N/A

No additional comments were submitted at time of inspection.

2. Block and Ball Information:

Ball Assembly Information:

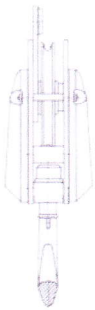
Status:	Installed
Type:	Overhaul Ball
Manufacturer:	Johnson
Model No.:	OB19EE650-4
Serial No.:	08-14112
Capacity:	15-Ton
Weight:	757 lbs.
Hook Tram:	6"

[X] Load Hook [X] Swivel [ ] Non-Swivel [ ] Insulated [ ] Other:

X	1. Overhaul Ball Appearance:
X	2. Hook Structure:
X	3. Hook Safety Latch Assembly:
X	4. Hook Swivel Assembly:
X	5. Hook Collar Assembly:
X	6. Becket Assembly/End Connections:
X	7. Ball Markings:
X	8. Ball Structure and Assembly:
N/A	9. Other:

Main Block Assembly:

Status:	Installed
Type:	4-Sheave Block
Manufacturer:	Johnson
Model No.:	J 80Q 24RTA
Serial No.:	08-12670
Capacity:	80-Ton
Weight:	1489 lbs.
Hook Tram:	11"



[X] Load Hook [X] Swivel [ ] Cheat Plates [ ] Side Plates [ ] Other:

X	1. Main Block Appearance:
X	2. Hook Structure:
X	3. Hook Safety Latch:
X	4. Block Sheaves And Guards:
X	5. Sheaves:
X	6. Hook Trunion & Swivel Assembly:
X	7. Block Structure and Assembly:
X	8. Becket Assembly/End Connections:
X	9. Block Markings:
N/A	10. Other:

X = Acceptable R = Recommendation D = Deficiency N = Inspection Considerations N/A = Not Applicable

3. Comments:

No additional comments were submitted at time of inspection.

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CRANE & RIGGING SPECIALISTS

Inspection Considerations

The remarks submitted below by COS GRU do not serve as recommendations or deficiencies. The remarks serve as considerations which discuss facts or a circumstances that were taken in account by the inspector before judgments or decisions were made. The considerations listed below are intended to depict the overall condition of the equipment surveyed and strictly serve as a discretionary voice addressing components on the machine which may or may not be in use at time of inspection. The comments submitted below will not prohibit this equipment from being certified in accordance with the Code of Federal Regulations (CFR), American National Standard Institute (ANSI), and/or Manufacturer Recommendations and Specifications.

Certificate Number: 17216

Checklist Item Number	Description of Consideration Submitted For Your Consideration
Note:	No visible considerations were submitted at time of inspection. Overall, this crane was maintained in excellent condition.