

# **TRESTER**

**HOIST AND EQUIPMENT**  
*Service*

*Combining Safety and Productivity*

## Hoist Inspection

Prepared for Customer Name

123 Main St.  
Atlanta GA 301215

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 High  Med  Low Section

Frequent Electric Chain Hoist Inspection - <i>Test Location</i>	Electric Chain Hoist: <i>HHYYGRTDCER</i> - 1122545	0	4	1	<b>1.0</b>
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Trestler Hoist & Equipment  
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 Menomonee Falls, Wisconsin 53051  
 262-790-0700

## Frequent Electric Chain Hoist Inspection

### Customer Name

123 Main St.  
 Atlanta, GA 301215

FolderID: Sample  
 FormID: 2814289



### Electric Chain Hoist

Completed by: Jeremiah Langford on 1/9/2018

Location: Test Location

Serial Number: HHYYGRTDCER

RFID Number 1122545

#Asset Number:

Status: In Service

Hoist Manufacturer:	Columbus McKinnon
Hoist Model / Lot:	F
Hoist Suspension:	Hook
Hoist Mounting:	Crossmount
Hoist Capacity:	1/2 Ton
Hoist Control Operation:	Corded Station
Hoist Control Speed:	Single Speed
Hoist FPM:	16
Hoist Voltage:	115v Single Phase
Hoist Reeving:	Single
Approximate Lift:	10
Chain Container:	Metal Bucket
Crane Structure:	Bridge
Trolley Type:	Push/Pull - Enclosed Track
Trolley Manufacturer:	CraneVeyor
Trolley Serial Number:	None
Trolley Model / Lot:	None
Trolley Capacity:	1/2 Ton
Trolley Running Type:	Underhung
Powered Trolley Control Speed:	None
Powered Trolley FPM:	None
Trolley Tractor Manufacturer:	None
Trolley Tractor Serial Number:	None
Trolley Tractor Model:	None
Crane Manufacturer:	CraneVeyor
Crane Serial Number #Asset Number:	12345
Crane Model:	None
Crane Capacity:	1/2 Ton
Crane Running Type:	Underhung
Crane Drive:	Push/Pull
Powered Crane Control Speed:	None
Powered Crane FPM:	None
Crane Beam Type:	Enclosed Track

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Crane Beam Flange Width:	None
Crane Girder or Beam Setup:	Single
Runway Beam Type:	Enclosed Track
Bridge Tractor Manufacturer (North or East):	None
Bridge Tractor Serial Number (North or East):	None
Bridge Tractor Model (North or East):	None
Bridge Tractor Manufacturer (South or West):	None
Bridge Tractor Serial Number (South or West):	None
Bridge Tractor Model (South or West):	None
Special Applications:	None


Priorities Found: 4 - Medium 1 - Low 36 - Good

Status	
1.	Can unit be inspected? <span style="float: right;">(YES) Yes</span>
2.	Preventive Maintenance (Hoist) [ASME B30.16] <i>Preventive maintenance plan recommended. ASME B30.16-2.3.1(a) A preventive maintenance program should be established. The program should be based on recommendations outlined in the hoist manufacturer's manual. If a qualified person determines it is appropriate, the program should also include that individual's additional recommendations based upon a review of the hoist application and operation. Dated records should be placed on file. Trester Hoist has a customized preventative maintenance program available to meet this requirement.</i>
3.	Preventive Maintenance (Crane) [ASME B30.17] <i>Preventive maintenance plan required. ASME B30.17-4.2.2 A preventive maintenance program shall be established. The preventive maintenance program should be based on the equipment manufacturer's recommendations and when appropriate, recommendations by a qualified person based upon review of the equipment application and operation. Dated records should be placed on file. Trester Hoist has a customized preventative maintenance program available to meet this requirement.</i>
Frames	
4.	Securely Fastened [ASME B30.16] <span style="float: right;">(OK) Okay</span>
5.	Damage [ASME B30.16] <span style="float: right;">(OK) Okay</span>
6.	Identification and Capacity [ASME B30.16] <span style="float: right;">(OK) Okay</span>
7.	Seals / Gaskets [ASME B30.16] <span style="float: right;">(OK) Okay</span>
Chain Container	
8.	Attachment [ASME B30.16] <span style="float: right;">(RP) Replace Part</span> <i>Bent - ASME B30.16-2.1.3(d)(3) The following items shall be inspected: Load blocks, suspension housings, hand chain wheels, chain attachments, clevises, yokes, suspension bolts, shafts, gears, bearings, pins, rollers, and locking and clamping devices for evidences of wear, corrosion, cracks, and distortion.</i>  <i>Replace attachment</i>
9.	Retaining Strap [ASME B30.16] <span style="float: right;">(OK) Okay</span>
10.	Condition [ASME B30.16] <span style="float: right;">(OK) Okay</span>
11.	Size [ASME B30.16] <span style="float: right;">(OK) Okay</span>
12.	Proper Container [ASME B30.16] <span style="float: right;">(OK) Okay</span>
Brake	

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● 13. Proper Operation [ASME B30.16]	<b>(MO) Monitor</b>
<p>☞ <i>Improper operation or unusual sound - ASME B30.16-2.1.2(c)(1) The following shall be inspected: Operating mechanisms for proper operation, proper adjustment, and unusual sounds.</i></p> <p><i>Further diagnosis needed</i></p>	
● 14. Coil & Shading Coil [ASME B30.16]	<b>(OK) Okay</b>
<b>Electrical</b>	
● 15. Phasing [ASME B30.16]	<b>(OK) Okay</b>
● 16. Power Cord [ASME B30.16]	<b>(OK) Okay</b>
● 17. Limit Switch [ASME B30.16]	<b>(OK) Okay</b>
● 18. Control Cord [ASME B30.16]	<b>(OK) Okay</b>
● 19. Control Station [ASME B30.16]	<b>(OK) Okay</b>
● 20. Control Switch [ASME B30.16]	<b>(OK) Okay</b>
● 21. Warning Tag [ASME B30.16]	<b>(RC) Repair Complete</b>
<p>☞ <i>Illegible - ASME B30.16-1.1.4(b) All electric-powered or air-powered hoists shall have affixed to the hoist, load block, or controls, a label or labels displaying information concerning operating procedures. The label or labels shall be in compliance with ANSI Z535.4 and shall include cautionary language.</i></p> <p><i>Warning tag replaced - \$5</i></p>	
<b>Load Chain</b>	
● 22. Clean and Lubricated [ASME B30.16]	<b>(LO) Labor Only Repair</b>
<p>☞ <i>Dry, dirty or rusty chain - ASME B30.16-2.5.1(b) If the chain binds, jumps, or is noisy, first see that it is clean and properly lubricated. If the trouble persists, inspect the chain and mating parts for wear, distortion, or other damage.</i></p> <p><i>Clean chain</i></p>	
● 23. Excess Wear or Damage [ASME B30.16]	<b>(OK) Okay</b>
● 24. End Link and Anchor Pin [ASME B30.16]	<b>(OK) Okay</b>
● 25. Reeving [ASME B30.16]	<b>(OK) Okay</b>
<b>Hooks</b>	
● 26. Retaining Hardware (Nuts and/or Collars) [ASME B30.10]	<b>(OK) Okay</b>
● 27. Rotation [ASME B30.16]	<b>(LO) Labor Only Repair</b>
<p>☞ <i>Does not rotate - ASME B30.16-1.2.9 If hooks are the swiveling type, they should rotate freely.</i></p> <p><i>Lubricate block</i></p>	
● 28. Safety Latches [ASME B30.10]	<b>(OK) Okay</b>
● 29. Throat Opening [ASME B30.10]	<b>(OK) Okay</b>
● 30. Deformation [ASME B30.10]	<b>(OK) Okay</b>
<b>Trolley Wheels</b>	
● 31. Bearings [ASME B30.17]	<b>(OK) Okay</b>
<b>Trolley Frame</b>	
● 32. Identification and Capacity [ASME B30.17]	<b>(OK) Okay</b>
● 33. Drop Limiter [ASME B30.17]	<b>(OK) Okay</b>
<b>Crane Wheels</b>	
● 34. Bearings [ASME B30.17]	<b>(OK) Okay</b>
<b>Crane Structure</b>	
● 35. Operation [ASME B30.17]	<b>(OK) Okay</b>
● 36. Supports [ASME B30.17]	<b>(OK) Okay</b>

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37. Structure [ASME B30.17, CMAA 74]	(OK) Okay
38. Identification and Capacity [ASME B30.17]	(OK) Okay
39. Clearance [ASME B30.17]	(LO) Labor Only Repair
<p>Insufficient clearance - ASME B30.17-1.2.1(a) Clearance shall be maintained between the crane or monorail systems and any potential obstructions, as well as cranes operating at different elevation(s), under all operating conditions. In the design of new cranes or monorails, all factors that influence clearance, such as wheel float, truss sag, bridge or trolley skewing, or trolley positions and configurations, shall be considered.</p> <p>Address clearance issues</p>	
40. Level [CMAA 74]	(OK) Okay
41. Festoon / Tagline / Cord Reel / Collectors [ASME B30.17]	(OK) Okay
42. Stack Up [ASME B30.17]	(OK) Okay
43. Foundations [ASME B30.17]	(OK) Okay
<b>Inspection</b>	
44. Inspector	
	
Jeremiah Langford	
45. Date Inspected	01/09/2018
46. IMPORTANT INFORMATION ABOUT REPAIRS:	
<p>ASME requires that "Any condition disclosed by the inspections that is determined to be a hazard to continued operation shall be corrected by adjustment, repair, or replacement before continuing the use of the equipment". It also requires that you "Use replacement parts that are at least equal to the original manufacturer's specifications", and that "New, reinstalled, altered, repaired, and modified equipment should be load tested prior to initial use as determined by a qualified person" and further states that you "Do not attempt to repair a damaged wire rope or load chain". In regard of existing installations, ASME states that "Equipment manufactured and facilities constructed prior to the effective date of this Volume of the B30 Standard shall be subject to the inspection, testing, maintenance, and operation requirements of this Standard." However, they also allow for "The need to meet the current requirements shall be evaluated by a qualified person selected by the owner".</p>	

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