



2008 NATIONAL 8100-D / 295984 Mounted
on a CAT skidder

Prepared for:
LOCKE CRANE SERVICES




P.O. Box 246
Chester, NH 03036

on

4/30/2023

Overview

Breakdown by Form

Form Type	 High	 Med	 Low	# Forms
Inspection	0	0	0	1
Local Acknowledgment Of Unit Examination	0	0	0	1
Overall:	0	0	0	2

Breakdown by Location

Location	 High	 Med	 Low	# Forms
Tewksbury, MA	0	0	0	2
Overall:	0	0	0	2

Breakdown by Asset

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

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Inspection
LOCKE CRANE SERVICES
P.O. Box 246
Chester, NH 03036

FolderID: AI6267
FormID: 16662409



Boom Truck Crane

Location: Tewksbury, MA
Area: 860 East St.
Serial #: 295984
TagID: 15
Status: In Service
Description: 15 2008 NATIONAL 8100-D / 295984
Mounted on a CAT skidder

Manufacturer: National
Model Number: 8100-d
Capacity: see OEM capacity chart
Hook Type : Load Block & Hook
Length/Lift: 29 - 100 ft

Miles and Hours

- 1. Miles N/A
- 2. Hours 04130.



General

- 3. Guards / Covers (SAT) Satisfactory
- 4. External Lights (SAT) Satisfactory
- 5. Warning Decals (SAT) Satisfactory
- 6. Housekeeping (SAT) Satisfactory
- 7. Hand Signal Chart (SAT) Satisfactory

Historical Data


- 8. Monthly Inspection Records (SAT) Satisfactory
- 9. Maintenance Records (SAT) Satisfactory
- 10. Modification Records (SAT) Satisfactory
- 11. Load Test Records (SAT) Satisfactory

Driver's Cab

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● 12. Glass	(SAT) Satisfactory
● 13. Windshield Wipers	(SAT) Satisfactory
● 14. Mirrors	(SAT) Satisfactory
● 15. Fire Extinguishers	(SAT) Satisfactory
● 16. Seat	(SAT) Satisfactory
● 17. Seat Belt	(SAT) Satisfactory
● 18. Power Take-Off	(SAT) Satisfactory
● 19. Parking Brake	(SAT) Satisfactory
● 20. Air Pressure	(NA) Not Applicable
● 21. Instruments / Gauges	(SAT) Satisfactory
● 22. Switches / Functions	(SAT) Satisfactory
● 23. Horn	(SAT) Satisfactory
● 24. Steering	(SAT) Satisfactory
● 25. Engine Clutch	(NA) Not Applicable
● 26. Accelerator	(SAT) Satisfactory
● 27. Brake	(SAT) Satisfactory
● 28. Defroster	(SAT) Satisfactory
● 29. Operator's Manual	(SAT) Satisfactory
Truck Power Plant	
● 30. Performance	(SAT) Satisfactory
● 31. Exhaust System Guards & Insulators	(SAT) Satisfactory
● 32. Belts / Hoses	(SAT) Satisfactory
● 33. Moving Parts Guards & Covers	(SAT) Satisfactory
Chassis	
● 34. Transmission	(SAT) Satisfactory
● 35. Driveline	(SAT) Satisfactory
● 36. Tires / Wheels	(SAT) Satisfactory
● 37. Tire Air Pressure	(SAT) Satisfactory
● 38. Chassis Frame Members	(SAT) Satisfactory
● 39. Hydraulic Hoses / Tubing / Fittings	(SAT) Satisfactory
● 40. Hydraulic Fluid Level	(SAT) Satisfactory
● 41. Anti Skid Surface	(SAT) Satisfactory
● 42. Guards / Covers	(SAT) Satisfactory
● 43. Backup Alarm	(SAT) Satisfactory
Outriggers / Stabilizers	
● 44. Boxes	(SAT) Satisfactory
● 45. Beams	(SAT) Satisfactory
● 46. Cylinders	(SAT) Satisfactory
● 47. Floats / Pads	(SAT) Satisfactory
● 48. Hydraulic Hoses / Tubes / Fittings	(SAT) Satisfactory
● 49. Holding Valves	(SAT) Satisfactory
● 50. Caution / Warning Signs	(SAT) Satisfactory
Operators Station	
● 51. Grab Rails / Steps / Platforms	(SAT) Satisfactory
● 52. Door Restraint	(NA) Not Applicable
● 53. Windows	(NA) Not Applicable
● 54. Anti Skid Surface	(SAT) Satisfactory

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● 55. Fire Extinguisher	(SAT) Satisfactory
● 56. Electrocution Warning Sign	(SAT) Satisfactory
● 57. Controls Identified	(SAT) Satisfactory
● 58. Accelerator / Throttle Control	(SAT) Satisfactory
● 59. Horn	(SAT) Satisfactory
● 60. Seat	(SAT) Satisfactory
Load Chart	
● 61. Per Configuration	(SAT) Satisfactory
● 62. Durable	(SAT) Satisfactory
● 63. Legible	(SAT) Satisfactory
	
● 64. Secured	(SAT) Satisfactory
● 65. Visible From Operators Station	(SAT) Satisfactory
Safety Devices / Operational Aids	
● 66. Boom Angle Indicator	(SAT) Satisfactory
● 67. Boom Length Indicator	(SAT) Satisfactory
● 68. Drum Rotation Indicator	(NA) Not Applicable
● 69. Overload Protection	(SAT) Satisfactory
● 70. Crane Level Indicator	(SAT) Satisfactory
● 71. Anti Two-Block Device	(SAT) Satisfactory
● 72. Outrigger / Stabilizer Position Sensor	(NA) Not Applicable
Upper Structure	
● 73. Turntable	(SAT) Satisfactory
● 74. Mounting	(SAT) Satisfactory
● 75. Turret	(SAT) Satisfactory
● 76. Hydraulic Pump(s)	(SAT) Satisfactory
● 77. Hydraulic Hoses / Tubes / Fittings	(SAT) Satisfactory
● 78. Hydraulic Pressure	(SAT) Satisfactory
● 79. Electrical Wiring	(SAT) Satisfactory
● 80. Hoist Brake	(SAT) Satisfactory
● 81. Hoist - Motor / Valves / Lines	(SAT) Satisfactory
● 82. Hoist Spooling	(SAT) Satisfactory
● 83. Hoist - Minimum 2 Rope Wraps	(SAT) Satisfactory
● 84. Swing Gear Box	(SAT) Satisfactory
● 85. Electrocution Warning Sign	(SAT) Satisfactory
Main Boom	
● 86. Lift Cylinder(s)	(SAT) Satisfactory
● 87. Telescoping Cylinder(s)	(SAT) Satisfactory
● 88. Hydraulic Hoses / Tubes / Fittings	(SAT) Satisfactory
● 89. Holding Device	(SAT) Satisfactory

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● 90. Boom Sections Alignment	(SAT) Satisfactory
● 91. Wear Pads	(SAT) Satisfactory
● 92. Sheave(s)	(SAT) Satisfactory
● 93. Hoist Line Dead End	(SAT) Satisfactory
● 94. Wire Rope Retainer	(SAT) Satisfactory
● 95. Boom Hinge Pin	(SAT) Satisfactory
● 96. Boom Head Section	(SAT) Satisfactory
● 97. Structure	(SAT) Satisfactory

Load Block & Hook

● 103. Capacity Marking	(SAT) Satisfactory
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● 104. Weight Marking	(SAT) Satisfactory
● 105. Sheave(s)	(SAT) Satisfactory
● 106. Safety Latch(s)	(SAT) Satisfactory
● 107. 0° Hook Bend or Twist	(SAT) Satisfactory
● 108. 5% Hook Opening or 1/4" Max	(SAT) Satisfactory
● 109. 10% Hook Wear Max	(SAT) Satisfactory
● 110. Bearing	(SAT) Satisfactory
● 111. Wedge Socket / End Fitting	(SAT) Satisfactory
● 112. Reeving	(SAT) Satisfactory

Wire Rope

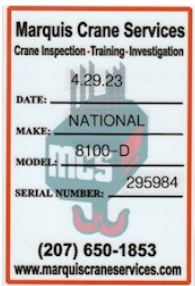
● 121. Rope Damage	(SAT) Satisfactory
● 122. Measured Wear 9/16 / 0.575	(SAT) Satisfactory
● 123. Broken Wires	(SAT) Satisfactory
● 124. Lubrication	(SAT) Satisfactory
● 125. End Connectors	(SAT) Satisfactory

Verification and Completion

● 126. Inspector Name and Signature	Steve Marquis
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● 127. Date of Inspection	04/29/2023
● 128. Customer Name and Signature	LOCKE CRANE SERVICE
● 129. Certificate Issued	(Y) Yes

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Local Acknowledgment Of Unit Examination

LOCKE CRANE SERVICES

P.O. Box 246
Chester, NH 03036

FolderID: AI6267
FormID: 16662410



Boom Truck Crane

Location: Tewksbury, MA

Area: 860 East St.

Serial #: 295984

TagID: 15

Status: In Service

Description: 15 2008 NATIONAL 8100-D /
295984
Mounted on a CAT skidder

Manufacturer: National

Model Number: 8100-d

Capacity: see OEM capacity chart


Hook Type : Load Block & Hook

Length/Lift: 29 - 100 ft

Local Acknowledgment Of Unit Examination

1. OWNERS IDENTIFICATION	15
2. OWNER/EMPLOYER	LOCKE CRANE SERVICE
3. OWNERS ADDRESS	P.O. Box 246 - Chester, NH 03036
4. TYPE OF DEVICE	Crane
5. CRANE LOCATION/ ADDRESS	860 East St. - Tewksbury, MA
6. DOES UNIT CHANGE WORKSITES?	(Y) YES
7. HOUR METER	04.130
8. MANUFACTURER	NATIONAL
9. MODEL	8100-D
10. SERIAL NUMBER	295984
11. DESCRIPTION OF DEVICE	hydraulic boom - rough terrain <i>mounted on a CAT skidder</i>
12. MAXIMUM CAPACITY PER CONFIGURATION	<i>see OEM load capacity chart</i>
13. SERVICE STATUS	Hook Work
14. BOOM LENGTH & TYPE	29 - 100 ft / hydraulic telescopic
15. LUFFING JIB LENGTH & TYPE	
16. FIXED JIB LENGTH & TYPE	
17. TOWER HEIGHT & TYPE	

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● 18. Proof Load Test Applied 1.1			
	BOOM LENGTH	BOOM ANGLE	RADIUS
	58 ft	28	53 ft
● 19. Proof Load Test Applied 1.2			
	RATED LOAD	PROOF LOAD	% OF RATED LOAD
	3,400 @ 50 ft	3,000 lbs	100
● 20. Proof Load Test Applied 1.3			
	HOIST USED	BOOM DIRECTION	LOAD CHART NUMBER
	main	over rear	877921
● 21. DESCRIPTION OF PROOF LOAD			crane counter-weight
● 22. BASIS FOR ASSIGNED LOAD RATINGS			OEM designed rating
● 23. REMARKS AND/OR LIMITATIONS IMPOSED			
● 24. I certify that on this date, the above device was examined & tested by the undersigned or authorized representative who in their opinion, said the unit complied with the standards or requirements of OSHA: 1926.1400 and ASME B30.5			04/29/2023
● 25. SIGNATURE OF AUTHORIZED PERSON			Steve Marquis
			

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