



2004 NATIONAL 9103-A / 290032

Prepared for:
SHERMAN CRANE




140 West St.
Wilmington, MA 01887

on

6/2/2023

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
Wilmington, 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
SHERMAN CRANE
140 West St.
Wilmington, MA 01887

FolderID: AI6351
FormID: 16950252



Boom Truck Crane

Location: Wilmington, MA
Serial #: 290032
TagID: C-198
Status: In Service

Manufacturer: National
Model Number: 9103-A
Capacity: per OEM capacity chart
Hook Type : Overhaul Ball & Hook
Length/Lift: 30 - 103 ft

Description:2004 NATIONAL 9103-A / 290032

Miles and Hours

- 1. Miles **150,994.**
- 2. Hours **12573.**

General

- 3. Guards / Covers **(SAT) Satisfactory**
- 4. External Lights **(NA) Not Applicable**
- 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 **(NA) Not Applicable**
- 11. Load Test Records **(SAT) Satisfactory**

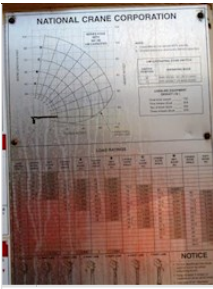
Driver's Cab

- 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**

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● 20. Air Pressure	(SAT) Satisfactory
● 21. Instruments / Gauges	(SAT) Satisfactory
● 22. Switches / Functions	(SAT) Satisfactory
● 23. Horn	(SAT) Satisfactory
● 24. Steering	(SAT) Satisfactory
● 25. Engine Clutch	(SAT) Satisfactory
● 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
● 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	(NA) Not Applicable
Load Chart	
● 61. Per Configuration	(SAT) Satisfactory

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● 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. Electrocutation 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
● 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

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Load Block & Hook

- 103. Capacity Marking (SAT) Satisfactory
 ■ JOHNSON -12 UST
- 104. Weight Marking (SAT) Satisfactory
 ■ 318 lbs
- 105. Sheave(s) (SAT) Satisfactory
- 106. Safety Latche(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

Overhaul Ball & Hook

- 113. Capacity Marking (SAT) Satisfactory



- 114. Weight Marking (SAT) Satisfactory
- 115. Safety Latches (SAT) Satisfactory
- 116. 0° Hook Bend or Twist (SAT) Satisfactory
- 117. 5% Hook Opening or 1/4" Max (SAT) Satisfactory
- 118. 10% Hook Wear Max (SAT) Satisfactory
- 119. Swivel / Bearing (SAT) Satisfactory
- 120. Wedge Socket / End Fitting (SAT) Satisfactory

Wire Rope

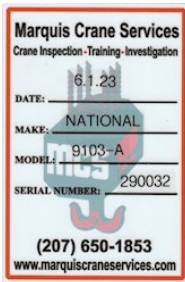
- 121. Rope Damage (SAT) Satisfactory
- 122. Measured Wear (SAT) Satisfactory
- 123. Broken Wires (SAT) Satisfactory
- 124. Lubrication (SAT) Satisfactory
- 125. End Connectors (SAT) Satisfactory

Verification and Completion

- 126. Inspector Name and Signature Steve Marquis

- 127. Date of Inspection 06/01/2023
- 128. Customer Name and Signature SHERMAN CRANE
- 129. Certificate Issued (Y) Yes

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Local Acknowledgment Of Unit Examination

SHERMAN CRANE
140 West St.
Wilmington, MA 01887

FolderID: AI6351
FormID: 16950253



Boom Truck Crane

Location: Wilmington, MA
Serial #: 290032
TagID: C-198
Status: In Service

Manufacturer: National
Model Number: 9103-A
Capacity: per OEM capacity chart
Hook Type : Overhaul Ball & Hook
Length/Lift: 30 - 103 ft

Description:2004 NATIONAL 9103-A / 290032

Local Acknowledgment Of Unit Examination

● 1. OWNERS IDENTIFICATION	C-198
● 2. OWNER/EMPLOYER	SHERMAN CRANE
● 3. OWNERS ADDRESS	140 West St. - Wilmington, MA 01887
● 4. TYPE OF DEVICE	Crane
● 5. CRANE LOCATION/ ADDRESS	140 West St. - Wilmington, MA 01887
● 6. DOES UNIT CHANGE WORKSITES?	(Y) YES
● 7. HOUR METER	12573.
● 8. MANUFACTURER	NATIONAL
● 9. MODEL	9103-A
● 10. SERIAL NUMBER	290032
● 11. DESCRIPTION OF DEVICE	boom truck crane
● 12. MAXIMUM CAPACITY PER CONFIGURATION	<i>per OEM capacity chart</i>
● 13. SERVICE STATUS	Hook Work
● 14. BOOM LENGTH & TYPE	30 - 103 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
73 ft	46.5	50 ft



19. Proof Load Test Applied 1.2

RATED LOAD	PROOF LOAD	% OF RATED LOAD
4,300 lbs	4,250 lbs	100

20. Proof Load Test Applied 1.3

HOIST USED	BOOM DIRECTION	LOAD CHART NUMBER
main	over rear	877726

21. DESCRIPTION OF PROOF LOAD steel test 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 06/01/2023

25. SIGNATURE OF AUTHORIZED PERSON Steve Marquis