






C-181

Prepared for:
SHERMAN CRANE




140 West St.
Wilmington, MA 01887

Overview




Breakdown by Form

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

Breakdown by Location

Location	 High	 Med	 Low	# Forms
140 West St. Wilmington, MA 01887	0	1	1	2
Overall:	0	1	1	2

Breakdown by Asset

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

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Inspection
SHERMAN CRANE
140 West St.
Wilmington, MA 01887

FolderID: AI7164
FormID: 24585819



Telescoping Boom Crane

Completed by: Broc Marquis on 05/28/2025

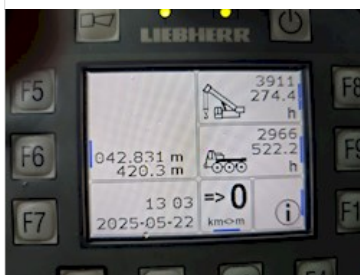
Location: 140 West St. Wilmington, MA 01887
Serial #: 066-511
TagID: C-181
Status: In Service

Description: C-181: 2014 LIEBHERR LTM-1130-5.1 / 066-511

Manufacturer: Liebherr
Model: LTM-1130-5.1
Capacity: per OEM capacity chart
Length/Lift: 42 - 197 ft
Hook Type: Load Block & Hook

Hours and Miles

1. Hours **3911**



2. Miles **42831**

Historical Records

- | | |
|---|---------------------|
| 3. Monthly Inspection | (SAT) Satisfactory |
| 4. Record of Maintenance | (SAT) Satisfactory |
| 5. Documentation of Annual / Comprehensive Inspection | (SAT) Satisfactory |
| 6. Equipment Modification(s) or additions | (NA) Not Applicable |
| 7. Record of Load Test | (NA) Not Applicable |

General

- | | |
|-------------------------------|--------------------|
| 8. External Lights | (SAT) Satisfactory |
| 9. Housekeeping | (SAT) Satisfactory |
| 10. Safety and Warning Labels | (SAT) Satisfactory |
| 11. Hand Signal Chart | (SAT) Satisfactory |

Driver's Cab and Station

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● 12. Service Brake	(SAT) Satisfactory
● 13. Emergency Brake	(SAT) Satisfactory
● 14. Parking Brake	(SAT) Satisfactory
● 15. External Lights (Headlights, Taillights, Brake Lights)	(SAT) Satisfactory
● 16. Audible Warning Device	(SAT) Satisfactory
● 17. Audible Reverse Signal Alarm	(SAT) Satisfactory
● 18. Windows / Mirrors	(SAT) Satisfactory
● 19. Windshield Wipers	(SAT) Satisfactory
● 20. Windshield Defroster	(SAT) Satisfactory
● 21. Seatbelts	(SAT) Satisfactory
● 22. Tires	(SAT) Satisfactory
● 23. Seat	(SAT) Satisfactory
● 24. Steering	(SAT) Satisfactory
● 25. Housekeeping	(SAT) Satisfactory
● 26. Fire Extinguisher	(SAT) Satisfactory
Lower Carrier Power Plant	
● 27. Engine Performance	(SAT) Satisfactory
● 28. Exhaust System	(SAT) Satisfactory
● 29. Belts	(SAT) Satisfactory
● 30. Rotating and Reciprocating Parts	(SAT) Satisfactory
Carrier	
● 31. Transmission	(SAT) Satisfactory
● 32. Drive Line	(SAT) Satisfactory
● 33. Tires	(SAT) Satisfactory
● 34. Tire Air Pressure	(SAT) Satisfactory
● 35. Main Frame Members	(SAT) Satisfactory
● 36. Hydraulic Hoses, Fittings, Tubes	(SAT) Satisfactory
● 37. Hydraulic Fluid Level	(SAT) Satisfactory
● 38. Hoses / Tubing / Fittings .	(SAT) Satisfactory
● 39. Slip Resistant Walking surface	(SAT) Satisfactory
● 40. Axle Lockout	(SAT) Satisfactory
● 41. Audible Reverse Signal Alarm	(SAT) Satisfactory
Outriggers	
● 42. Boxes & Beams	(SAT) Satisfactory
● 43. Hydraulic Cylinders	(SAT) Satisfactory
● 44. Pad / Float	(SAT) Satisfactory
● 45. Hoses / Tubing / Fittings	(SAT) Satisfactory
● 46. Holding Valves	(SAT) Satisfactory
● 47. Caution / Warning Signs	(SAT) Satisfactory
Operator's Station	
● 48. Windows	(SAT) Satisfactory
● 49. Windshield Wipers	(SAT) Satisfactory
● 50. Cab Door Restraint	(SAT) Satisfactory
● 51. Cab Access	(SAT) Satisfactory
● 52. Steps / Ladders / Handrails	(SAT) Satisfactory
● 53. Anti-Skid Stepping Surfaces	(SAT) Satisfactory
● 54. Load Chart	(SAT) Satisfactory
● 55. Fire Extinguisher	(SAT) Satisfactory


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●	56. Operator's Manual	(SAT) Satisfactory
●	57. Seat	(SAT) Satisfactory
●	58. Seatbelts	(NA) Not Applicable
●	59. Electrocution Warning Sign(s)	(SAT) Satisfactory
●	60. Level	(SAT) Satisfactory
●	61. Horn	(SAT) Satisfactory
●	62. Load Indicator	(SAT) Satisfactory
●	63. Controls Identified	(SAT) Satisfactory
●	64. Control Mechanisms	(SAT) Satisfactory
●	65. Power Plant Controls	(SAT) Satisfactory
●	66. Brake and Clutch	(NA) Not Applicable
●	67. Travel Brakes	(NA) Not Applicable
●	68. Travel Controls	(NA) Not Applicable
●	69. Travel Mechanism	(NA) Not Applicable
●	70. Travel Locks	(NA) Not Applicable
Load Chart		
●	71. Ground Level, Remotely Controlled	(SAT) Satisfactory
●	72. Per Configuration	(SAT) Satisfactory
●	73. Visible from Fixed Operator's Station	(SAT) Satisfactory
●	74. Durable / Legible/ Secured	(SAT) Satisfactory
Safety Devices / Operational Aids		
●	75. Boom Angle Indicator	(SAT) Satisfactory
●	76. Boom Length Indicator	(SAT) Satisfactory
●	77. Main Drum Rotation Indicator	(SAT) Satisfactory
●	78. Auxiliary Drum Rotation Indicator	(SAT) Satisfactory
●	79. Load Moment Indicator	(SAT) Satisfactory
●	80. Load Weight Indicator	(SAT) Satisfactory
●	81. Radius Indicator	(SAT) Satisfactory
●	82. Level Indicator	(SAT) Satisfactory
●	83. Barge List & Trim Indicator	(NA) Not Applicable
●	84. If Barge Mounted, Is The Crane Secured To The Barge	(NA) Not Applicable
●	85. Two-Block System	(SAT) Satisfactory
●	86. Overload Prevention Device	(SAT) Satisfactory
Upper Power Plant		
●	87. Performance	(SAT) Satisfactory
●	88. Exhaust System/Guards & Insulators	(SAT) Satisfactory
●	89. Hoses	(SAT) Satisfactory
●	90. Reciprocating and rotating parts	(SAT) Satisfactory
Rotating Upper Structure		
●	91. Turntable / Bearing	(SAT) Satisfactory
●	92. Turntable / Rollers	(NA) Not Applicable
●	93. Counterweight Frame	(SAT) Satisfactory
●	94. Ring and Pinion Gear	(SAT) Satisfactory
●	95. Hydraulic and Pneumatic Pumps	(SAT) Satisfactory
●	96. Hydraulic Tubes, Fitting, and Hoses	(SAT) Satisfactory
●	97. Hydraulic Pressure	(SAT) Satisfactory
●	98. Electrical Wiring	(SAT) Satisfactory
●	99. Main Hoist - Brakes and Clutch System	(SAT) Satisfactory

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● 100. Main Hoist - Wire Rope Reeving	(SAT) Satisfactory
● 101. Main Hoist - Meets 2 rope wrap minimum	(SAT) Satisfactory
● 102. Auxiliary Hoist - Brakes and Clutch System	(NA) Not Applicable
● 103. Auxiliary Hoist - Wire Rope Reeving	(NA) Not Applicable
● 104. Auxiliary Hoist - Meets 2 rope wrap minimum	(NA) Not Applicable
● 105. Swing System / Assembly	(SAT) Satisfactory
● 106. Counterweight Mounting	(SAT) Satisfactory
● 107. Counterweight Posted Warnings	(SAT) Satisfactory
● 108. Electrocution Posted Warnings	(SAT) Satisfactory
Main Boom	
● 114. Lift Cylinder(s)	(SAT) Satisfactory
● 115. Telescoping Boom Cylinder(s)	(SAT) Satisfactory
● 116. Hydraulic Hoses, Tubes, and Fittings	(SAT) Satisfactory
● 117. Holding Device	(SAT) Satisfactory
● 118. Boom Sections Alignment	(SAT) Satisfactory
● 119. Wear Pads	(SAT) Satisfactory
● 120. Sheaves	(SAT) Satisfactory
● 121. Hoist Line Dead End	(SAT) Satisfactory
● 122. Boom Hinge Pin	(SAT) Satisfactory
● 123. Boom Head Section	(SAT) Satisfactory
● 124. Auxiliary Boom Head	(NA) Not Applicable
● 125. Structure	(SAT) Satisfactory
Jib	
● 126. Structure	(SAT) Satisfactory
● 127. Sheaves	(SAT) Satisfactory
● 128. Wire Rope Retainers	(SAT) Satisfactory
● 129. End Connections and Pins	(SAT) Satisfactory
● 130. Wire Rope Retainers.	(SAT) Satisfactory
Main Drum Wire Rope	
● 134. Rope Damage	(REC) Recommendation
<div> </div> CONSTANT LOW STRAND THROUGHOUT THE LENGTH OF ROPE. MONITOR MONTHLY.	
● 135. Diameter and wear	
Size	Actual diameter measurement
21mm	20.7mm
● 136. Lubrication	(SAT) Satisfactory
● 137. End Connectors	(SAT) Satisfactory
Load Block & Hook	
● 159. Capacity Marking	(SAT) Satisfactory
● 160. Weight Marking	(SAT) Satisfactory
● 161. Sheave(s)	(SAT) Satisfactory
● 162. Safety Latch(es)	(SAT) Satisfactory
● 163. 0° Hook Bend or Twist	(SAT) Satisfactory
● 164. 5% Hook Opening or 1/4" Max	(SAT) Satisfactory
● 165. 10% Hook Wear Max	(SAT) Satisfactory
● 166. Bearing	(SAT) Satisfactory
● 167. Wedge Socket / End Fitting	(SAT) Satisfactory
● 168. Reeving	(SAT) Satisfactory
Overhaul Ball & Hook	

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● 169. Capacity Marking	(SAT) Satisfactory
● 170. Weight Marking	(SAT) Satisfactory
● 171. Safety Latches	(SAT) Satisfactory
● 172. 0° Hook Bend or Twist	(SAT) Satisfactory
● 173. 5% Hook Opening or 1/4" Max	(SAT) Satisfactory
● 174. 10% Hook Wear Max	(SAT) Satisfactory
● 175. Swivel / Bearing	(SAT) Satisfactory
● 176. Wedge Socket / End Fitting	(SAT) Satisfactory
No-Load Operational Test	
● 177. No-Load Operational Test	(SAT) Satisfactory
Verification and Completion	
178. Inspector Name and Signature	Broc Marquis
	
179. Date of Inspection	05/22/2025
180. Customer Name and Signature	SHERMAN CRANE
● 181. Certificate Issued	(Y) Yes



Local Acknowledgment Of Unit Examination

SHERMAN CRANE
140 West St.
Wilmington, MA 01887

FolderID: AI7164
FormID: 24585820



Telescoping Boom Crane


Completed by: Broc Marquis on 05/28/2025

Location: 140 West St. Wilmington, MA 01887
Serial #: 066-511
TagID: C-181
Status: In Service

Description: C-181: 2014 LIEBHERR LTM-1130-5.1 / 066-511


Manufacturer: Liebherr
Model: LTM-1130-5.1
Capacity: per OEM capacity chart
Length/Lift: 42 - 197 ft
Hook Type: Load Block & Hook

Local Acknowledgment Of Unit Examination

1. OWNERS IDENTIFICATION	C-181
2. OWNER/EMPLOYER	SHERMAN CRANE
3. OWNERS ADDRESS	140 WEST ST. WILMINGTON, MA
4. TYPE OF DEVICE	CRANE
5. CRANE LOCATION/ADDRESS	140 WEST ST. WILMINGTON, MA
6. DOES UNIT CHANGE WORKSITES?	(Y) YES
7. HOUR METER	3911 HRS
	
8. MANUFACTURER	LIEBHERR
9. MODEL	LTM1130-5.1
10. SERIAL NUMBER	066-511
11. DESCRIPTION OF DEVICE	HYDRAULIC TELESCOPIC ALL TERRAIN
12. MAXIMUM CAPACITY	SEE OEM CAPACITY CHART PER CONFIGURATION

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13. SERVICE STATUS	HOOK WORK	
14. BOOM LENGTH & TYPE	42' - 197' HYDRAULIC TELESCOPIC PIN AND LATCH	
15. LUFFING JIB LENGTH & TYPE		
16. FIXED JIB LENGTH & TYPE	32' - 64' SAW WELDED LATTICE TRUSS	
17. TOWER HEIGHT & TYPE		
18. PROOF LOAD TEST APPLIED 1.1		
BOOM LENGTH	BOOM ANGLE	RADIUS
149'	72.3	43.2'



19. PROOF LOAD TEST APPLIED 1.2		
RATED LOAD	PROOF LOAD	% OF RATED LOAD
10800 LBS	11100 LBS	101
20. PROOF LOAD TEST APPLIED 1.3		
HOIST USED	BOOM DIRECTION	LOAD CHART NUMBER
MAIN	OVER THE REAR	LMI CODE
21. DESCRIPTION OF PROOF LOAD	CRANE COUNTERWEIGHT	
22. BASIS FOR ASSIGNED LOAD RATINGS	OEM DESIGN RATINGS	
23. REMARKS AND/OR LIMITATIONS IMPOSED		
THE LMI FUNCTIONED AS DESIGNED AND SAFELY DISABLED THE CRANE AT MAXIMUM LOAD MOMENT AND WHEN ALL SAFETY LIMITS WERE REACHED.		
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		05/22/2025
25. SIGNATURE OF AUTHORIZED PERSON		Broc Marquis

