



***Crane Inspections, Engineering,  
and Safety Training***

October 20, 2011

Via Email (.pdf)

Mr. Tony Shweiri  
Shawmut Equipment Co.  
136 Eastman St.  
Easton MA 02375  
TonyShweiri@shawmutequipment.com

**RE: Annual Inspection  
Grove/GMK5275/5220-3146  
Enso No.: HRP918**

Dear Tony:

Per your request and authorization, Stephen Perry, has conducted an inspection of the above referenced equipment for the purpose of an Annual Certification on October 20, 2011. The inspection was conducted pursuant to OSHA Standard 1926.1400.

As documentation of the inspection, please find the attached.

- **Mobile Crane Inspection Report** completed during the inspection.
- **Photographs** taken at time of Inspection.
- Our **Applicable to Inspection Reports**.
- **Certification of Inspection**.

I trust that the foregoing provides you with the information that you require at this time. Please do not hesitate to contact me at (603) 781-7795 or by email at [stephen@ensocrane.com](mailto:stephen@ensocrane.com), should you have any questions regarding this inspection.

Sincerely,

A handwritten signature in black ink, appearing to read "Stephen M. Perry", with a long horizontal flourish extending to the right.

Stephen M. Perry,  
CCAA Certified Mobile Crane Surveyor

(603) 781-7795

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## Mobile Crane Inspection Report

**OSHA Standard:** 1926.1400                      **Date Inspected:** 10/20/2011  
**Type of Inspection:** Annual                      **Project Number:** HRP918  
**OSHA Approved Surveyor (Inspector):** Stephen Perry

### EQUIPMENT IDENTIFICATION

**Owner's Unit No.:** \_\_\_\_\_  
**Name & Address of Owner:** Locke Crane.  
**Manufacturer:** Grove                      **Model:** GMK5275                      **Serial No.:** 5220-3146  
**Crane Description:** Hydraulic Truck Crane                      **Max Capacity:** 275 Ton  
**Crane Location at Time of Inspection:** Easton, MA

S = Satisfactory                      U = Unsatisfactory                      N/A = Not Applicable

INSPECTION ITEM	S	U	NA	INSPECTION ITEM	S	U	NA
<b>CARRIER</b>				<b>HYDRAULIC SYSTEM</b>			
Under Carriage Condition	✓			Boom Hoist Cylinders & Lines	✓		
Loose/Missing Nuts & Bolts	✓			Boom Extension Cylinders & Lines	✓		
Fluid Leaks	✓			Outrigger Extension/Retraction	✓		
Outriggers, Controls & Locks	✓			Hoist Drum Hydraulic Lines	✓		
Outriggers, Pads & Floats	✓			Auxiliary Hoist Hydraulic Lines	✓		
Hand Holds, Steps, Rails & Walks	✓						
Hydraulic Reservoir Tank	✓			<b>HOIST (MAIN )</b>			
Fuel Tank & Cap	✓			Drums & Flanges	✓		
				Roller(s) & Cable Guides	✓		
				Main Drum Secure & Aligned	✓		
<b>LOWER CAB</b>				Drum Rotation Indicator(s)	✓		
Warning Lights & Horns	✓			Hoist Brake	✓		
Windshield Wipers & Blades	✓						
Heater – Defroster	✓			<b>WIRE ROPE</b>			
Mirrors	✓			Main Hoist Rope Condition	✓		
Steering Wheel (Excess Play)	✓			Auxiliary Hoist Rope Condition	✓		✓
Glass	✓			Main Hoist End Attachment	✓		
Fire Extinguisher	✓			Auxiliary Hoist End Attachment	✓		
All Lights/Signals	✓			Drum Spooling	✓		
All Control Mechanisms	✓						
Overall Cleanliness	✓			<b>NOTES</b>			
				Picked 24,600Lbs. with 102.1' boom			
<b>UPPER WORKS</b>				Load refusal at 65.3' in accord with			
Turret	✓			Load Chart			
Brake/Lock	✓						
Swing Pinion	✓						
Main Rotation Gear	✓						
Boom Foot Pins	✓						
Counterweight	✓						

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INSPECTION ITEM	S	U	NA	INSPECTION ITEM	S	U	NA
<b>LOAD BLOCK</b>				<b>OPERATOR'S CAB</b>			
Main Load Block	✓			Cleanliness	✓		
Wedge Socket Termination	✓			Boom Angle Indicator	✓		
Hook Condition	✓			Gauges Operational	✓		
Safety Latch	✓			All Controls Identified	✓		
Hook Throat Opening	✓			Swing Lock Operational	✓		
				Cab Glass	✓		
<b>HEADACHE BALL</b>				Windshield Wiper			
Wedge Socket Termination	✓			Fire Extinguisher	✓		
Swivel	✓			Signal Horn	✓		
Center Pin	✓			Load Rating Chart	✓		
Hook Condition	✓			Operators Manual	✓		
Safety Latch	✓			Daily Inspection Log	✓		
Hook Throat Opening	✓			Anti Two-Block System 1	✓		
				Crane Level Indicator	✓		
<b>BOOM EXTENSION &amp; JIB</b>				<b>LOAD INDICATING DEVICES</b>			
Main Boom Structure	✓			Load Moment Indicator	✓		
Hinge Pins	✓			Boom Length	✓		
Welded Connections	✓			Boom Angle	✓		
Boom Wear Pads	✓			Load Radius	✓		
Boom Lubrication	✓			Load Limit Cutout	✓		
All Sheaves	✓						
Boom Tip Keeper Pins	✓			<b>PLACARDS &amp; WARNINGS</b>			
Extension Condition	✓			Swing Radius Warning	✓		
Stowing Hinge	✓			Overhead Power Line Warning	✓		
				Hand Signal Signs Posted	✓		
				Special Hazard Warnings	✓		
				Annual Crane Certificate	✓		

**Mobile Crane Inspection Report – Hydraulic (Page 2 of 2)**

## Enso Crane Services

Hydraulic Truck Crane    Grove/GMK5275/5220-3146



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## **APPLICABLE TO INSPECTION REPORTS**

Inspection reports are based upon observed procedures and inspections performed by Enso Crane Services, but are not intended to replace or supersede the necessity for routine or preventative maintenance or procedures recommended by others, such as, but not limited to manufacturers, operators, and other inspecting organizations or persons.

Referral to applicable regulations is essential with regard to responsibilities of owners and users for use, maintenance, and normal operational inspections. It is especially important that owners and users, regularly and by means of extraordinary disassembly and/or non-destructive testing, arrange to effectively examine parts of the equipment, which may be reasonably accessible by routine examinations, including such examinations by Enso Crane Services.

Equipment owners and users should assure continuous compliance with all manufacturer's regulatory and other applicable performance specifications, including but not limited to, full range accuracy of load indicating devices, machinery, etc., regardless of the extent to which specifications can be evaluated during Enso Crane Services inspections.

Other requirements of applicable Federal and State regulations not specifically considered within the scope or recorded by related Enso Crane Services' reports, remain for the continuing attention and responsibility of equipment owners and users, including but not limited to, adequate lighting, walkways, ladders, stairways, clearance between moving and fixed structures, electrical motor restart lockouts, fire extinguishers in the vicinity, etc.

**Approved OSHA Surveyors (Inspectors) Under OSHA Maritime Regulation (CFR 1919)**

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## Inspection Certification

**Owner:** Shawmut Equipment Co.  
**OSHA Standard:** 1926.1400  
**Equipment Description:** Hydraulic Truck Crane  
**Make/Model/Serial No.:** Grove/GMK5275/5220-3146  
**Maximum Rated Capacity:** 275 Ton  
**Certificate No.:** HRP918

On October 20, 2011 the above described equipment was inspected and/or tested, in accordance with established industry standards and guidelines, pursuant to applicable OSHA/ANSI/ASME codes and standards. No condition, whether expressed or implied, will cause the qualification of this equipment to extend beyond the date of inspection. Continuance of compliance is dependent upon your adherence to the maintenance policies, operation procedures and manufacturers specifications.

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Stephen M. Perry,  
CCAA Certified Mobile Crane Surveyor



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