ANNUAL SAFETY INSPECTION
FOR

MOBILE CRANES

Wheel / Crawler Mounted

Telescoping & Non-Telescoping Booms

29 CFR 1910.180, 1926.550
ANSI B30.5, B30.10

CUSTOMER Delta Innovative Services

INSPECTION DATE 11/14/2017

CUSTOMER UNIT #: 13

TYPE CRANE RT ___ Truck Crane ___ Commercial Truck Mtd. X Crawler Crane ___

Hydraulic X Conventional ___ Telescoping X Non-Telescoping ___

CRANE MAN./MODEL Terex/ RS-60100

SERIAL NUMBER 5920901034 **CRANE CAPACITY** 60,000#

BOOM LENGTH 100' **Hour Meter** 7883 **Mileage** N/A

LOCATION 508 S. 14th St. Kansas City, KS. 66105

The information provided in this report is the result of the specific testing and inspection procedures conducted by National Fleet Testing Services, Inc.contractors on the equipment and identified herein, as limited by the scope of work authorized by the customer (the "Test Results"). The Test Results reflect only the conditions of the components tested or inspected within the scope of work authorized. We have reviewed neither the maintenance records nor the actual use of the equipment before or after the date of the testing or inspection. NO ATTEMPT HAS BEEN MADE AND NO INFORMATION IS RENDERED WITH RESPECT TO ANY CONDITIONS OF THE EQUIPMENT OR ANY COMPONENT OTHER THAN AS EXPRESSLY STATED IN THE WRITTEN TEST RESULTS. SPECIFICALLY, BUT WITHOUT LIMITATIONS, NO INFORMATION, TESTING OR INSPECTION SERVICES ARE RENDERED CONCERNING EQUIPMENT DESIGN, SUITABILITY OF THE EQUIPMENT FOR ANY PARTICULAR PURPOSE OF THE FUTURE SERVICEABILITY OF THE EQUIPMENT. THE TEST RESULTS SHOULD NOT BE CONSTRUED AS STATEMENT THAT THE EQUIPMENT IS SAFE OR SERVICEABLE.

The information provided in this report is not a substitute for proper use, maintenance, modification, inspection and repair of the equipment, who shall assure safe operation of the equipment within its intended limitation. Furthermore, nothing in the Test Results should be construed as a recommendation for corrective action and National Fleet Testing Services, Inc. or any of its authorized contractors has not and will not supervise corrective action of any condition found to exist, as such in the sole responsibility of the owner/operator and it is hereby expressly excluded from the scope of the work performed by an authorized contractor of National Fleet Testing Services, Inc. The Test Results are intended solely for informational purposes of the customer and should not be utilized or relied upon by any other person.

Aerial Personnel Lifts, Digger Derricks and Crane Equipment

ROTATION BEARING CHECK DATA SHEET

Customer Delta Innovative Services Unit 13 Date 11/14/2017

TOP ROTATION BEARING ATTACHMENT BOLTS:

Number Checked 100%

Number Inaccessible 0

LOWER ROTATION BEARING ATTACHMENT BOLTS:

Number Checked N/A

Number Inaccessible N/A

X Accessible Bolts O Inaccessible Bolts

Note: An authorized contractor for National Fleet Testing Services, Inc. has checked all accessible bolts for reasonable tightn ess with the use of an ordinary crescent wrench or open end wrench, but not with a torque wrench nor measuring device of any kind. AT NO TIM E WAS A MEASURING TOOL/TORQUE WRENCH UTILIZED FOR DETERMINING THE TORQUE OF BOLTS. It is the customer's responsibility to torque all bearing bolts in accordance with the equipment manufacturer's specifications to ensure that all bo lts are properly torqued. Customer should remove any and all equipment obstructing access to bearing bolts, and torque bolts in accorda nce with equipment manufacturer's specification found in equipment manufacturer's service manual.

MAINTAINING PROPER TORQUE OF ALL BOLTS IS THE SOLE RESPONSIBILITY OF THE EQUIPMENT OWNER/USER AND IS NOT THE RESPONSIBILITY OF NATIONAL FLEET TESTING SERVICES, INC. OR ANY OF ITS AUTHORIZED

Inspector comments: _____

A. GENERAL Unit Number 13

	OK	See Notes	N/A	
1.	___	___	X	If the crane has a single operator station, is there a seatbelt?
2.	___	___	X	Do tire sizes and type match up to the load chart?
3.	X	___	___	Tail, Brake Turn Signal / Four-way flasher, lights operating?
4.	X	___	___	Headlights and Clearance Lights operating?
5.	X	___	___	Are all principle walk areas on the crane skid resistant?
6.	___	___	X	Are there handholds, railings, and steps for cab accessibility?
7.	___	___	X	Does the cab door latch in the open position?
8.	___	___	X	Is all glass in the cab of a safety type as defined in ANSI Z26.1?
9.	___	___	X	First Aid Kit (on job site)?
10.	X	___	___	Is there a 10-BC type fire extinguisher on the crane?
11.	X	___	___	Is the exhaust piped away from the operator?
12.	___	___	X	Is there an operator's manual in the cab?
13.	X	___	___	Are mobile crane handsignal charts posted on the crane?
14.	X	___	___	Are all manufacturer's caution and warning signs legible?
15.	X	___	___	Are there 2 electrocution hazard warning signs on the unit?
16.	X	___	___	Is there a complete load chart accessible to the operator?
17.	___	___	X	Is there a work area chart in the cab?
18.	X	___	___	Is there a means for checking that the crane is level?
19.	X	___	___	Is there a boom angle indicator readable from the operator's station?
20.	X	___	___	Are all controls identified?
21.	X	___	___	Are the controls operational?
22.	X	___	___	Do all controls return to neutral position when released?
23.	X	___	___	Are the gauges working?
24.	X	___	___	Is there a warning horn operable from the operator's station?
25.	___	___	X	Is there an audible back-up alarm on the carrier?
26.	X	___	___	Load Indicator (if equipped) working?
27.	___	___	X	Is there an upper-boom limit shut-off, and working?
28.	___	___	X	Are there shock absorbing boom stops?
29.	___	___	X	If equipped, are the drum rotation indicators working?
30.	X	___	___	Does the crane have an anti-2-bloc device or warning feature? (after 1-00 shall)
31.	X	___	___	Is the boom marked for length and readable?
32.	___	___	___	Other_____

B. OUTRIGGERS

	Ok	See Notes	Na			Ok	See Notes	Na	
1.	X			Warning Signs	6.	X			Control Valves
2.	X			Outrigger Boxes	7.	X			Holding Valves/Other Means
3.	X			Beams	8.	X			Pads and Retainers
4.			X	Horizontal Cylinders and Hoses	9.	X			Pins and Retainers
5.	X			Vertical Cylinders and Hoses	10.				Other

C. CHASIS

Unit Number 13

	Ok	See Notes	N/A			Ok	See Notes	N/A	
1.	X			Carrier Frame / Car Body	15.			X	Idlers, Drivers, Bogies
2.			X	Engine and Drive Train	16.			X	Tracks and Pins
3.			X	Muffler Guard	17.			X	Track Slack
4.			X	Planetaries	18.	X			Wear Pads and Rollers
5.	X			Suspension & Walking Beams	19.			X	Electrical System
6.			X	Steering	20.			X	Air System
7.			X	Service and Parking Brake System	21.	X			Exhaust System
8.	X			Power Take-Off	22.	X			Rotation Bearing/Bullgear-Mounting
9.	X			Hydraulic Hoses and Fittings	23.	X			Rotation Bearing Movement
10.	X			Hydraulic Pumps	24.	X			Swing Gear and Pinion
11.	X			Hydraulic Reservoir	25.	X			Boom Rest
12.			X	Side Frames	26.	X			Guards
13.			X	Drive Sprockets and Chains	27.	X			Lubrication
14.			X	Chain Slack	28.				Other

D. UPPERWORKS (Lattice Cranes)

1.			X	Structure and Welds	15.			X	Brake Pedals and Latches
2.			X	Mounting Bolts/Welds	16.			X	Ratchet & Pawl/Dog System-Boom
3.			X	Hook Rollers and Brackets	17.			X	Drums
4.			X	Load Rollers and Pads	18.			X	House Lock
5.			X	Engine	19.			X	Swinger Gearcase
6.			X	Muffler Guard	20.			X	Boom Hinge Pins
7.			X	Torque Converter	21.			X	Mast/A-Frame
8.			X	Hydraulic Pumps	22.			X	Pins and Retainers
9.			X	Hydraulic Motors	23.			X	Backlegs
10.			X	Hoses and Fittings	24.			X	Sheaves
11.			X	Air/Hydraulic Swivel Joints	25.			X	Outer Bail and Sheaves
12.			X	Draw Works Gearing	26.			X	Guards
13.			X	Drum Clutches	27.			X	Lubrication
14.			X	Drum Brakes	28.				Other

E. COUNTERWEIGHT

1.			X	Mounting Bolts/Pins	3.			X	Correct Size for Application
2.			X	Warning Signs "Tail Swing"	4.				Other

F. TELESCOPING BOOM INSPECTION

1.	X			Base section	11.	X			Sheave and rope guards
2.	X			Inner-mid section	12.	X			Boom lift cylinders
3.	X			Outer-mid section	13.	X			Extension cylinders
4.	X			Outer section	14.	X			Extension ropes and fittings
5.			X	Fly section	15.	X			Hoses and fittings
6.	X			Swingaway section and extension	16.	X			Holding devices
7.	X			Wear pads and guides	17.	X			Hose reel
8.			X	Rollers	18.	X			Load rope dead end
9.	X			Jib and pendants	19.	X			Pins and retainers
10.	X			Boom tip sheaves and bearings	20.	X			Lubrication

Unit Number 13

G. CRANE FUNCTIONS

1.	X			Boom Up and Down	6.	X			Main Hoist - Hoist/Lower
2.	X			Swing Left and Right	7.			X	Auxiliary Hoist - Hoist/Lower
3.			X	Steering Left and Right	8.	X			Outrigger Beams - in/out
4.			X	Travel Forward and Reverse	9.	X			Outrigger Jacks - up/down
5.			X	Cut Left and Right	10.	X			LOAD TEST

H. WIRE ROPE INSPECTION	BOOM HOIST	MAIN HOIST	AUXILIARY HOIST
1. Measured Size	N/A	5/8"	N/A
2. Type	N/A	RRC	N/A
3. Rope Spooling	N/A	OK	N/A
Number of Broken Wires			
4. In One Strand	N/A	NONE	N/A
5. In One Lay	N/A	OK	N/A
6. At End Fittings	N/A	OK	N/A
7. Other Damage	N/A	OK	N/A

Note: If rotation resistant wire rope is being used on the load hoist drums, does it meet the 5:1 safety factor? N/A

I. LOAD BLOCK INSPECTION

	MAIN HOIST	AUX. HOIST	OTHER
1. Manufacturer	N/A	N/A	
2. Model	N/A	N/A	
3. Capacity	N/A	N/A	
4. Serial Number	N/A	N/A	
5. Number of Sheaves	N/A	N/A	
a. For Rope Size	5/8"	N/A	
6. Hook Type	N/A	N/A	
a. Throat Opening	N/A	N/A	
7. ID Tag and Weight Markings	N/A	N/A	
8. Hook Twist	N/A	N/A	
9. Hook Stretch	N/A	N/A	
10. Hook Wear	N/A	N/A	
11. Sheaves	N/A	N/A	
12. Bearings/Bushings	OK	N/A	
13. Swivel and Thrust Bearing	OK	N/A	
14. Pins and Retainers	OK	N/A	
15. Load Rope Dead End	OK	N/A	
16. Safety Latch	OK	N/A	
17. NDE: MT X VT X			

CUSTOMER Delta Innovative Services

UNIT NO.

DATE 11/14/2017

DISCREPANCY SUMMARY

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	IV	No descrepancies noted at time of inspection.

Unit Number 15

DISCREPANCY SUMMARY

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- Manufacturer's recommendations as to frequent inspections and overhaul schedules must be followed to assure safe operation of this unit
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(I) Repairs necessary, those defects that are designated most serious.
(II) Those defects that could lead to downtime or more costly repairs in the future.
(III) Check and repair as necessary.

Signature / Title _____ Date _____

Report received by