

ONE SOURCE SAFETY AND TRAINING INC.

610 Shari Olsburg, Ks. 66520
Business: (785) 456-5501 Fax: (785) 468-3330

505-6012

TELESCOPING BOOM CRANE ANNUAL INSPECTION									
Customer:	K-DOT			Contact:	CLAYTON		Date	1/22/15	
Address:	121 CAMPUS DR.			Account #	OPEN		WO#		
State, Zip:	GARDEN CITY, KS.			Technician	SAM		Item#	505-6012	
Equip Description:	BOOM/DERRICK TRUCK			EQUIP. LOCATION:	CAMPUS DR.				
Crane Mfr.	ELLIOT		Chassis Mfr	STERLING		Odometer	27273.3		
Crane Serial #	CN-2970		Chassis Model #			Oil Level	OK		
Crane Model #	ECH.3.55D.HPHP		Chassis VIN	2FZCHCHCSX3AL69935		Hydraulic fluid level	OK		
Crane Cpcy (tons)	3 TON		Hour Meter	254.7 PTO		HOUR METER TRUCK	1376.8		
☒ Annual OSHA inspection ☐ Preventative Maintenance ☐ Proof Load Test ☐ Inspection & PM									
General	0	not applicable		1	very good		2	good	
	5	adjustment required		6	fair (inspect & review)		7	poor (repairs needed)	
								acceptable	
								unacceptable (replace)	
	X	unsafe condition exists - (tagout recommended)							
General					Carrier Con't				
Sheet Metal PCSA#2 8.2					Main Frame Members 1926.1501(a)(1)				
Guards/Covers 1926.1501(a)(8)&(10)					Hydraulic Hoses/Tubing/Fittings PCSA#2 8.2.1.3				
External Lights 1926.601(2)(i)&(ii)					Anti-Skid Surface 1926.1501(a)(13)(iii)				
Safety/Warning Decals & Labels 1926.1501(a)(2)					Axle Lock-out B30.5-2.1.3(a)(10)				
Hand Signal Chart (outside) 1926.1501(a)(4)					Backup Alarm 1926.601(b)(4)(i)				
Driver's Cab & Station					Outriggers				
Access-Grab Rails/Steps 1926.1501(a)(13)(i)&(iii)					Boxes B30.5-2.1.3				
Glass 1926.1501(a)(12)					Beams B30.5-2.1.3				
Windshield Wiper(s) 1926.601(b)(2)(i)&(ii)					Cylinders PCSA #2 8.2.1.3				
Door(s) Restraint(s) PCSA#2 8.1.11.2					Floats/Pads B30.5-1.9.3.(d)				
Mirrors 1926.601(b)(4)					Hydraulic Hoses/Tubes/Fittings PCSA #2 8.2.1.3				
Fire Extinguisher 1926.1501(a)(14)(i)					Holding Valves B30.5-1.9.3.(b)				
Seat(s) Restraint(s) 1926.601(b)(8)					Position Switches B30.5-2.1.3.(a)(4)				
Seat Belt(s) 1926.601(b)(9)					Warning Signs 1926.1501(a)(2)				
Parking Brake 1926.601(b)(1)					Other				
Air Pressure B30.5-2.1.2(a)(4)					Main Boom				
Control Identified 1926.1501(a)(2)					Lift Cylinder(s) PCSA#2 8.2.1.(2)				
Instruments/Gauges B30.5-2.1.3(a)(6)					Telescoping Cylinder(s) PCSA#2 8.2.1.(2)				
Electrical Switches/Functions B30.5-2.1.2					Hydraulic Hoses/Tubing & Fittings PCSA#2 8.2.1.3				
Horn 1926.601(b)(3)					Holding Device B30.5-1.3.1(d)				
Lights 1926.1501(a)(1)					Boom Sections Alignment PCSA#2 4.07.1				
Steering B30.5-2.1.3.(a)10					Wear Pads B30.5-2.1.3.(a)(4)				
Brake PCSA#2 5.14					Equal Extension B30.5-2.1.2.(a)(2)				
Other					Sheaves B30.5-2.1.3.(a)(3)				
Carrier Power Plant (Lower)					Hoist Line Dead End B30.5-1.7.3				
Exhaust System/Guards & Insulators 1926.1501(a)(10)					Wire Rope Retainer B30.5-1.7.4.(b)				
Guards/Covers/Rotate & Recip Parts 1926.1501(a)(8)					Boom Hinge Pin B30.5-2.1.3.(a)(4)				
Other					Boom Head Section B30.5-2.1.3				
Carrier					Auxiliary Boom Head B30.5-2.1.3.(a)(11)				
Tires/Wheels B30.5-2.1.3.(a)(11)					Structure B30.5-2.13.(a)(1)				
Tire Air Pressure PCSA#2 8.3.3.5.(3)					Other				

E. Elliot

Operator's Cab & Station		Rotating Upper Structure	
Grab Rails/Steps/Platforms 1926.1501(a)(13)(i)&(iii)		Turntable B30.5-2.1.3	
Anti-Skid Surface 1926.1501(a)(13)(i)		Electrical Collector Ring B30.5-2.1.3	
Glass 1926.1501(a)(12)	0	Frame B30.5-2.1.3.(a)(1)	
Windshield Wiper(s) 1926.601(b)(2)(i)&(ii)	0	Hydraulic Swivel	
Door Restraint PCSA#2 8.1.11.2	0	Hydraulic Hoses/Tubes/Fittings PCSA #2 8.2.1.3	5
Fire Extinguisher 1926.1501(a)(14)(i)	0	Hydraulic Pressure PCSA#2 8.1.4	
Mirrors 1926.601(b)(4)	0	Electrical Wiring B30.5-2.1.3	
Seat Restraint 1926.601(b)(8)	0	Main Hoist - Motor/Valves/Lines PCSA#2 8.2.1.(2)	
Seat Belt 1926.601(b)(9)	0	Main Hoist - Wrapping on Drum B30.5-2.1.2.6	
Operator's Manual PCSA#2 8.01		Main Hoist - Minimum (2) Rope Wraps PCSA#2 8.1.5.2	
Operating Instructions/Decals 1926.1501(a)(2)	5	Aux. Hoist - Motor/Valves & Lines PCSA#2 8.2.1.(2)	0
Electrocution Warning Signs (Inside) 1926.1501(a)(2)		Aux. Hoist - Wrapping on Drum B30.5-2.1.2.6	0
Hand Signal Chart 1926.1501(a)(4)		Aux. Hoist - Minimum (2) Rope Wraps PCSA#2 8.1.5.2	0
Parking Brake 1926.601(b)(1)	0	Counterweight/Mounting PCSA#2 8.3.3.3	0
Swing Brake PCSA#2 4.04.2	0	Swing Gear Box B30.5-2.1.3.(a)(4)	
Positive Swing Lock PCSA#2 4.04.2	0	Electrocution Warning Signs (Outside) 1926.1501(a)(2)	5
Accelerator/Throttle Control B30.5-1.6.3(b)		Counterweight Warning Sign 1926.1501(a)(2)	0
Air Pressure B30.5-2.1.2.(a)(4)	0	Manual Boom Section	
Hydraulic Leaks PCSA#2 8.2.1.3	5	Alignment PCSA#2 4.07.1	0
Horn/Warning Device 1926.601(b)(3)		Locking Device B30.5-2.1.3.(a)(4)	0
Load Chart		Structure B30.5-2.1.3.(a)(11)	0
Per Configuration 1926.1501(a)(1)&(2)		Other	
Durable B30.5-1.1.3		Basket	
Legible B30.5-1.1.3		Tread plate	
Visible From Operator's Station PCSA#2 7.14		Toe board	
Secured B30.5-1.1.3		Railing /gate	
Safety Devices/Operational Aids		Fall restraint tigh off	
Boom Angle Indicator PCSA#2 7.11.2		Controls	6
Boom Length Indicator PCSA#2 7.11.3	0	Warning Signs 1926.1501(a)(2)	
Main Drum Rotation Indicator B30.5-1.3.2.(a)(5)	0	Emergency over ride	
Aux. Drum Rotation Indicator B30.5-1.3.2.(a)(5)	0	Mounting	6
Load Moment Indicator B30.5-2.1.2.(a)(3)	0	Other	
Load Weight Indicator B30.5-2.1.6	0	Jib	
Radius Indicator B30.5-2.1.3.(a)(6)	0	Positive Stops 1926.1501(b)(1)	0
Crane Level Indicator B30.5-1.9.9.(d)		Sheave(s) B30.5-2.1.3(a)(3)	0
Anti-Two Block Device B30.5-1.9.9		Wire Rope Retainers B30.5-1.7.4.(b)	0
Two Block Warning/Damage Device B30.5-1.9.9	0	Structure B30.5-2.1.3.(a)(1)	0
Power Plant (Upper)		Other	
Exhaust System/Guards/Insulators 1926.1501(a)(10)	0	Other	
Guards/Covers/Rotate. & Recip. Parts 1926.1501(a)(8)	0	WIRE ROPE	5
Load Block Info	Capacity Marking: 0 Weight Marking: 0 Sheaves: 0 Safety Latches: 0 Swivel: 0		
	Bearing: 0 Wedge Socket/End fitting: 0 Reeving: 0 Other:		
Overhaul Ball	Capacity Marking: 3 Weight Marking: 0 Sheaves: 0 Safety Latches: 3 Swivel: 3		
	Bearing: 0 Wedge Socket/End fitting: 0 Other:		
Potential Hazards and/or Unsafe Conditions			
Technician's Signature		SAM LINHARDT	1/22/15

ONE SOURCE SAFETY AND TRAINING

O.S.S.T. INC.
610 SHARI
OLSBURG, KS. 66520

Telephone 785-468-3330
Fax 785-456-7689

LOAD TEST CERTIFICATE

DATE: 01/22/15
BRAND: ELLIOT
MODEL: ECU.3.55D.HPHP
CAPACITY: 1000 LBS

CUSTOMER: K-DOT GARDEN CITY
SERIAL: CN-2970
UNIT NUMBER: 505-6012
TEST WEIGHT: 1100 LBS

I CERTIFY THE ABOVE UNIT WAS LOAD TESTED
AT 125% PER O.S.H.A. AND A.N.S.I. STANDARDS.
TEST WAS CONDUCTED USING SCALE.

TECHNICIAN: SAM LINHARDT
DATE: 01/22/15

*THIS LOAD TEST CONSTITUTES NO WARRANTY OR GUARANTEE.

*KEEP THIS DOCUMENT IN YOUR INSPECTION FILES.

NOTES: HELD LOAD FOR 15 MINUTES

ONE SOURCE SAFETY AND TRAINING

O.S.S.T. INC.
610 SHARI
OLSBURG, KS. 64520

Telephone 785-464-5501
Fax 785-464-3330

DECEMBER 17.2013

K DOT
121 CAMPUS DR
GARDEN CITY, KS

UNIT 5056012
SERIAL NUMBER CN-2970

DIGGER DERRICK PUNCH LIST

1. AUGER LEVER SPOOL VALVE LEAKS 35.00 ————— 2 Hr
2. ALL OUT RIGGER HYDRAULIC LINES DRY ROTTED 640.00 ————— 6 Hr
3. A2B LOCKOUT CLIP BROKEN 60.00 —————
4. WARN LABELS ON OPERATORS STATION 400.00 ————— 4 Hr
5. ROPE CORK SCREWED 2,200.00 ————— 4 Hr
6. ROLLERS ON BOOM FROZEN 480.00 —————
7. ELECTROCUTION WARN LABEL ON REAR OF TRUCK 16.00 —————
8. POWER CORD TO BASKET HAS COVER PEELING OFF 80.00 —————
9. LOWER LATCH BUSHINGS ON AUGER LATCH BROKEN 220.00 ————— 1 Hr
10. PTO HOUR METER IS IN OP 75.00 —————
11. BOOM TIP SHEAVES HAVE EXCESSIVE PLAY 400.00 ————— 1 Hr
12. HOOK INSTALLED ON ROPE IMPROPERLY USING CHINA MADE CLIPS ————— 4 Hr
13. LINES GOING INTO LOWER BOOM DRY ROTTED 800.00 ————— 1 Hr
14. AUGER HOSES DRY ROTTED 400.00 —————
15. HYDRAULIC HOSES OFF PUMP LEAKING, RETURN LINES LEAKING 250.00 ————— 4 Hr
16. BOOM AUGER PUSH PULL CONTROL LEAKING 250.00 —————
17. BOOM OUT RIGGER PUSH PULL LEAKING 250.00 —————
18. AT LEAST FIVE HYDRAULIC HOSES LEAKING AT REAR OF PEDESTAL 300.00 ————— 2 Hr
19. REAR AND LEFT LOWER TOOL ATTACHMENT FITTINGS LEAKING 600.00 —————
20. BOTH REAR OUT RIGGER WARNING LABELS PEELING 70.00 —————
21. BASKET LEVEL CYLINDER LEAKING IN PEDESTAL 80.00 - 40.00 —————
22. UPPER PEDESTAL HAS HOSE LEAKING 300.00 —————
23. WARN LABELS ON OPERATOR STATION NOT READABLE 100.00 ————— 1.5
24. PRESSURE GAGE LENS CLOUDY AND NOT READABLE 80.00 ————— 4 Hr
25. RIGHT SIDE BOOM TRACK HYDRAULIC HOSES DRY ROTTED 600.00 —————
26. AUGER STOW PIN BROKEN 50.00 ————— 1.5 Hr
27. MIDDLE RAIL ON BASKET CRACKED AT WELD BY THE 110 VOLT PLUG —————
28. BASKET HYDRAULIC HOSES DRY ROTTED 600.00 ————— 1 Hr

THANK YOU,

SAM LINHARDT
O.S.S.T. INC.

Problems that Operator said he was having with the operation of this derrick truck:

Platform does not auto level. May need to be adjusted.

Holes for the pins have been wallowed out to where cage is loose on cage around platform.

Hydraulic hoses get hot and leak.

Sometimes we have problems trying to get the boom to move.

Half of the locking pin on the auger arm has been sheared.

New hydraulic filters were replaced and it still shows they need to be changed.