

JM Test Systems, Inc.
Electrical Safety Laboratory, Inc.
1-800-353-3411

Operations Manager: *Ethan Ballinger*

Onsite Admin: *Julia Stoneburner* **Visual and Operational Truck Inspections**

Customer Name	<u>Wayne White Counties Electric</u>	Unit#	<u>3</u>
Report#	<u>271766-001</u>	Mfg.	<u>Terex</u>
Date	<u>5/29/2018</u>	Model #	<u>TL41</u>
Engine Hours	<u>13005</u>	S/N	<u>2100140335</u>
PTO Hours	<u>N/A</u>	Odometer	<u>227,892</u>
Temperature	<u>70F</u>	Humidity	<u>94%</u>
		Category	<u>C</u>

Chassis	A	R	N/A	Lower Boom(cont'd)	A	R	N/A	Mat. Handler and Digger Derek	A	R	N/A
Frame	X			Pins, Bushings	X			Winch			X
Springs	X			Hydraulics	X			Load/Line Hook			X
PTO	X			Leveling System	X			Hydraulics			X
Hyd. Reservoir	X			Extension Cylinder	X			Protective Covers			X
Hyd. Lines	X			FRP Insulator(s)	X			Capacity Chart			X
Other			X	Boom Rest, Strap	X			Auger			X
Outriggers				Other			X	Auger Wind Cable			X
Pads, Pins, Welds	X			Upper Boom				Auger Wind Stop			X
Hydraulics	X			Boom Structure		X		Swing Arm			X
Controls	X			Scissor Assembly	X			Control Track			X
Control Markings	X			Pins, Bushings	X			Controls			X
Other			X	Welds & Fasteners	X			Control Markings			X
Pedestal				Lift/Ext. Cylinder	X			Pole Claw Arms			X
Frame	X			Leveling System	X			Pole Claw Assy.			X
Hyd. Lines	X			FRP Boom Sections	X			Pole Claw Hyd.			X
Welds, Bolts	X			Hydraulics	X			Boom Structure			X
Pins, Bushings	X			Other			X	Welds, Fasteners			X
Turret				Platform				Main Pin			X
Welds, Frame	X			Bucket Structure		X		Lift Cylinder			X
Hyd. Lines	X			Bucket Attachment	X			Other			X
Rotation Assembly	X			Liner	X			Operational Boom			
Pins, Bushings	X			Bucket Access	X						
Controls	X			Bucket Tilt/Rotate	X			Extend/Retract	X		
Control Markings	X			Controls	X			Fold/Unfold	X		
Lower Boom				Control Markings	X			Raise/Lower	X		
Lower Boom Structure	X			Capacity Marking	X			Rotate	X		
Lower Welds, Fasteners	X			Hydraulics	X			Outriggers			
Lower Main Pin		X		Warning Decals	X			Curb Ext/Ret	X		
Lower Lift Cylinder	X			Jib	X			Street Ext/Ret	X		
				Jib Attachment	X						
				Jib Tilt Cylinder	X						
				Other			X				

A = Acceptable

R= Repair

N/A Not Applicable

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Testing

Boom Stress Test

UNIT# 3 CONT.

Bucket Capacity	<u>400</u> lbs.	Time Load Applied	<u>10</u> min.
Beginning Load	<u>400</u> lbs.	PASS	FAIL
End Load	<u>350</u> lbs.		

Boom Dielectric Test

<u>Upper Boom/ Digger</u>	40 kv applied for 1 minute	(.40 failure Rate) Upper Boom Status	Pass	<u>Fail</u>
Test Current	<u>0.23</u> mA			
<u>Overall</u> (Upper and Lower Boom)	40 kv applied for 1 minute	(.40 failure Rate) Overall Status	Pass	<u>Fail</u>
Test Current	<u>0.05</u> mA			
<u>Lower Boom</u>	35kv Applied for 1 minute	(2.0 mA Failure Rate) Lower Boom Status	Pass	<u>Fail</u>
Test Current	<u>0.10</u> mA			
<u>Hyd. Oil Test</u>	Voltage Applied 3kv per Second	Oil Status	<u>Pass</u>	<u>Fail</u>
Breakdown Average	<u>N/A</u> kv			

Bucket Liner Dielectric Test

Bucket Liner # 1	35kv applied for 1 minute	Liner # 1 Status	Pass	<u>Fail</u>
S/N	<u>3</u>			
Bucket Liner # 2	35kv applied for 1 minute	Liner # 1 Status	<u>Pass</u>	<u>Fail</u>
S/N	<u>N/A</u>			

Technician TJ Pieszchalski Tech. Stamp Number _____

Comments: 1. Upper boom structure has chipped and exposed fiberglass.
2. Bucket structure has chipped and exposed fiberglass.

The above tests do not guarantee the continuing insulation of the tested area.
It shall be the users responsibility to maintain the insulating qualities of the devices
through periodic maintenance and testing.

This unit was visually inspected by a representative of JM Test Systems for necessary
repairs or maintenance that were observable. The unit was not disassembled. Therefore
no inspection was made of those areas normally hidden from a visual inspection.