

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

Operations Manager: **Jason Boehm**

Onsite Admin: **Debra Silcott**

Visual and Operational Truck Inspections

Customer Name	<u>Western Illinois Electric Coop</u>	Unit#	<u>7</u>
Report#	<u>254087-001</u>	Mfg.	<u>ALTEC</u>
Date	<u>10/17/2017</u>	Model #	<u>AA755L</u>
Engine Hours	<u>11154</u>	S/N	<u>0908BZ5782</u>
PTO Hours	<u>4180</u>	Odometer	<u>153952</u>
Temperature	<u>62F</u>	Humidity	<u>42%</u>
		Category	<u>B</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

Boom Stress TestUNIT# 7 CONT.Bucket Capacity 400 lbs.Time Load Applied 10 min.Beginning Load 400 lbs.**PASS****FAIL**End Load 380 lbs.**Boom Dielectric Test**Upper Boom/ Digger 40 kv applied for 1 minute

(.40 failure Rate)

Upper Boom Status

PassFailTest Current 0.11 mAOverall 40 kv applied for 1 minute

(.40 failure Rate)

Overall Status

PassFail

(Upper and Lower Boom)

Test Current 0.12 mALower Boom 35kv Applied for 1 minute

(2.0 mA Failure Rate)

Lower Boom Status

PassFailTest Current 0.13 mAHyd. Oil Test Voltage Applied 3kv per SecondOil Status **Pass**FailBreakdown Average N/A kv**Bucket Liner Dielectric Test**

Bucket Liner # 1 35kv applied for 1 minute

Liner # 1 Status

PassFailS/N 7

Bucket Liner # 2 35kv applied for 1 minute

Liner # 1 Status

PassFailS/N N/ATechnician Ethan Ballinger

Tech. Stamp Number _____

Comments: 1. Bucket structure has chipped and exposed fiberglass.

*****TRUCK GROUND FAILED 1/0 FERRULE. *****

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.

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FREQUENT AND PERIODIC INSPECTION CHECKLIST

VISUAL INSPECTION CHECKLIST	SAT / REJECT / NA	ULTRASONIC INSPECTION CHECKLIST	SAT / REJECT / NA	MAGNETIC PARTICLE INSPECTION CHECKLIST	SAT / REJECT / NA
Outrigger bolting & welds		Lower boom lift cylinder pin(s)	SAT	Outrigger attachment welds	NA
Base plate bolting & welds		Lower boom main pin(s)	SAT	Pedestal mounting welds	
Turret base/support bolting & welds	SAT	Extension cylinder pin(s)	SAT	Pedestal support welds	
Turret bolting and welds	SAT	Bucket shaft pin(s)	SAT	Turret ear & support welds	
Lower boom bolting & welds	SAT	Jib extension cylinder pin(s)	SAT	Lift cylinder pin support welds on turret	
Boom seam- welds	SAT	Jib tilt cylinder pin(s)	SAT	Lower boom support	
Boom rest assembly & welds	SAT	Outrigger foot attachment pin(s)	SAT	Pin support welds on lower boom	
Bucket attachment bolting and welds	SAT	Outrigger extension cylinder pin(s)	SAT	Boom seam welds (All stages)	
Jib attachment bolting and welds	SAT	Other:		Boom rest assembly & welds	
Other:	NA			Bucket attachment welds	
				Jib attachment welds	
				Pintle hook	
				Other:	

INSPECTOR / TECHNICIAN SIGNATURE: W.L. Golden III

INSPECTOR / TECHNICIAN NAME: W.L. Golden Level III DATE: 10 / 17 / 2017