

Preventive Maintenance and Inspection Checklist

Vehicle No. _____ Location TAMPA 0107 Date 5/7/25
 Service Request # 6761608 Model # AT48M Serial # _____
 Odometer 20607 Hours Meter NA Inspector DOCKERY
 Open Altec Product Notices NA

Check for Altec Product Notices or other applicable documents provided by Altec for servicing the unit by calling 1-877-GO ALTEC (1-877-462-5832) or by contacting altec.connect@altec.com.

Perform all inspections, adjustments, repairs, and lubrication according to the specifications in all unit maintenance and/or service manuals. If tracking PTO hours using an approved method or device, follow the recommended hourly maintenance intervals. If performing maintenance based upon a calendar based schedule, follow the recommended monthly intervals. The required items apply to both tracking methods.

Intervals

- | | | |
|---|--|--|
| <input type="checkbox"/> Prior to placing the unit in service | <input type="checkbox"/> 85 PTO hours/1 month | <input type="checkbox"/> 500 PTO hours/6 months |
| <input type="checkbox"/> Required maintenance | <input checked="" type="checkbox"/> 1,000 PTO hours/1 year | <input type="checkbox"/> 2,000 PTO hours/2 years |
| <input type="checkbox"/> Major structural inspection | | |

Symbols

- | | | |
|-------------------------|----------------------------|------------------------------------|
| ✓/O = Okay or completed | C = Corrected by inspector | R = Repair or replacement required |
| U = Unsafe to operate | N/A = Not applicable | |

Prior to Placing the Unit in Service			
O	Perform the Preoperational Inspection (refer to the Operator's Manual)	Rotation Bearing	
		O	Turntable tilt measurement ² : <u>.030</u>
Hydraulic Reservoir and System			
NA	Check oil and collect oil sample for analysis ¹		
85 PTO Hours/1 Month			
O	Perform the Preoperational Inspection (refer to the Operator's Manual)	Manuals	
		O	Operator's Manual present
Hydraulic Reservoir		O	Safety and Sentry documents present
C	Oil level	Lubrication	
Fiberglass		O	Rotation bearing ball race
R	Upper boom (condition, clean)	N	Elevator cylinder pivot bearings
O	Arm and link (condition, clean)	O	Rotation pinion and rotation bearing gear teeth
N	Optional ISO-Boom (condition, clean)	O	Outrigger inner leg out surface
Hydraulic System		O	Arm cylinder pivot bearing
O	Pedestal no leaks	O	Lift cylinder pivot bearing
O	Turntable no leaks	O	Gearbox
General Condition			
O	Clean debris from around articulating arm, turntable, elevators		
500 PTO Hours/6 Months			
O	Perform the 85 hour/1 month inspection	Supplemental Brake Lock	
PTO			Operation (holding, no bleed-off)
O	Operation, noise level, no leaks	Pump	
O	Mounting bolts tight	O	Noise level
		O	No leaks

<input type="checkbox"/>	Mounting bolts secure	<input type="checkbox"/>	DC pump switch operation
<input type="checkbox"/>	Drive line	Pedestal	
Battery		<input type="checkbox"/>	Structure (welds intact, no deformation or cracks)
<input type="checkbox"/>	Mounting (vertically and horizontally secure)	<input type="checkbox"/>	Hoses and lines (routing, condition)
<input type="checkbox"/>	Electrical connection (secure, no corrosion)	<input type="checkbox"/>	No leaks
<input type="checkbox"/>	Routing (cables do not cross, fuses secure)	Turntable	
All Electrical		<input type="checkbox"/>	Structure (welds intact, no deformation or cracks)
<input type="checkbox"/>	Components and wiring (clearances, tightness, support, no insulation damage)	<input type="checkbox"/>	Arm pin and retainer secure
<input type="checkbox"/>	Connections (secure, no corrosion)	<input type="checkbox"/>	Link pin and retainer secure
Unit Mounting		<input type="checkbox"/>	Hoses and lines (routing, condition, no leaks)
<input type="checkbox"/>	Visual inspection of mounting fasteners	<input type="checkbox"/>	Articulating arm cylinder pivot pin and retainer secure
<input type="checkbox"/>	Subbase mounting (fasteners secure, welds intact, no cracks)	<input type="checkbox"/>	Rotary joint mounting bolts secure
<input type="checkbox"/>	Pedestal mounting (welds intact, no cracks, bolts secure)	Rotation Bearing and Gearbox	
<input type="checkbox"/>	Boom rest (welds intact, no deformation or cracks)	<input type="checkbox"/>	No leaks
<input type="checkbox"/>	Body mounting (bolts secure, weld intact, no cracks)	<input type="checkbox"/>	Pinion gear teeth .
Hydraulic Reservoir		<input type="checkbox"/>	Rotation bearing gear teeth condition
<input type="checkbox"/>	Mounting (cap screws secure, welds intact, no cracks)	<input type="checkbox"/>	Gearbox mounting cap screw visual inspection
<input type="checkbox"/>	No leaks	<input type="checkbox"/>	Rotation bearing cap screw visual inspection
<input type="checkbox"/>	Shutoff valve fully open	<input type="checkbox"/>	Motor mounting bolts secure
N	Drain water from bottom	<input type="checkbox"/>	Operation (smoothness, noise level)
Filters		<input type="checkbox"/>	Eccentric ring lock (in place, secure)
C	Change return line filter	<input type="checkbox"/>	Gearbox internal lost motion
Outriggers		<input type="checkbox"/>	Rotation bearing inspection and measurement [after 0.050" (1.27 mm) increased wear from initial measurement] ²
<input type="checkbox"/>	Mounting (welds intact, no deformation or cracks)	Articulating Arm Cylinder	
<input type="checkbox"/>	Motion alarm	<input type="checkbox"/>	Operation, no leaks
<input type="checkbox"/>	Aerial device/outriggers/tools selector valve (operation, no leaks)	<input type="checkbox"/>	Holding valves (operation, no leaks)
<input type="checkbox"/>	Interlock system operation	<input type="checkbox"/>	Chromed rod condition
<input type="checkbox"/>	Operation (holding without drift, no leaks)	<input type="checkbox"/>	Pin retainers secure
<input type="checkbox"/>	Structures (welds intact, no deformation or cracks)	Articulating Arm	
<input type="checkbox"/>	Pins and retainers secure, retaining cap screws secure	<input type="checkbox"/>	Riser (welds intact, deformation or cracks)
<input type="checkbox"/>	Hoses and lines (routing, condition)	<input type="checkbox"/>	Link (welds intact, deformation or cracks)
<input type="checkbox"/>	Placards (condition, readable)	<input type="checkbox"/>	Arm (welds intact, deformation or cracks)
<input type="checkbox"/>	Control valves (operation, no leaks)	<input type="checkbox"/>	Hydraulic leveling cylinder operation
Hydraulic System Pressure		<input type="checkbox"/>	Arm and link pivot pins and retainers secure
<input type="checkbox"/>	Main system pressure <u>2997</u>	<input type="checkbox"/>	Fiberglass fasteners secure
<input type="checkbox"/>	Tool system pressure <u>2247</u>	Lift Cylinder	
NA	Standby pressure _____	<input type="checkbox"/>	Pivot bearings secure
Lower Control Station		<input type="checkbox"/>	Pin retainers secure
<input type="checkbox"/>	Placards (condition, readable)	<input type="checkbox"/>	Operation, no leaks
<input type="checkbox"/>	Lower control valve (operation, no leaks)	<input type="checkbox"/>	Holding valves (operation, no leaks)
<input type="checkbox"/>	Station selector valve and emergency stop (operation, no leaks)	<input type="checkbox"/>	Chromed rod condition

Lower Boom		Platform Rotator	
<input type="radio"/>	Structure (welds intact, no deformation or cracks)	<input type="radio"/>	Operation
<input type="radio"/>	Lift cylinder pivot pin and retainers secure	<input type="radio"/>	Fasteners secure
<input type="radio"/>	Remove any debris from inside lower boom	<input type="radio"/>	Rotary actuator (condition, no leaks)
<input type="radio"/>	Covers in place	Platform Tilt System	
<input type="radio"/>	Slide pad bearings cap screws secure	<input type="radio"/>	Leaks
<input type="radio"/>	Lower boom pin	<input type="radio"/>	Operation
<input type="radio"/>	Extension cylinder mounting cap screws secure	<input type="radio"/>	Tilt bracket (welds intact, deformation or cracks)
<input type="radio"/>	Lower platform leveling cylinder mounting pins	<input type="radio"/>	Tilt bracket covers
<input type="radio"/>	Boom slide blocks (cap screws secure, wear)	Upper Controls Station	
<input type="radio"/>	ISO-Boom mounting cap screws secure	<input type="radio"/>	Operation (metering, proper direction, no leaks)
Upper Boom		<input type="radio"/>	Mechanical linkage (operation, adjustment)
<input type="radio"/>	Structure (welds intact, no deformation or cracks)	<input type="radio"/>	Emergency stop operation
R	Fiberglass (condition, clean)	<input type="radio"/>	Interlock linkage operation
<input type="radio"/>	Hose assembly (no leaks, routings, condition)	R	Rubber boots
<input type="radio"/>	No leaks	<input type="radio"/>	Blocking section of upper control valve (operation, leaks)
<input type="radio"/>	Slide pad bearings (cap screws secure, wear)	<input type="radio"/>	Placards (condition, readable)
<input type="radio"/>	Covers in place	Tool Circuits	
<input type="radio"/>	Upper boom stow lock down strap	<input type="radio"/>	Quick disconnects (condition, operation, no leaks)
<input type="radio"/>	Boom tip fasteners secure	<input type="radio"/>	Quick disconnect dust caps (condition, in place)
Upper Boom Extension Cylinder		<input type="radio"/>	Operation
<input type="radio"/>	Trunnion pins secure	Material Handling Package	
<input type="radio"/>	Hoses and lines mounting	<input type="radio"/>	Bracket and mounting pins condition
<input type="radio"/>	Operation, no leaks	<input type="radio"/>	Sheave (condition, turns freely)
<input type="radio"/>	Holding valves (operation, no leaks)	<input type="radio"/>	Sheave pin and retainer secure
<input type="radio"/>	Boom tip cover (condition, in place)	R	Placards (condition, readable)
<input type="radio"/>	Remove any debris from inside upper boom	<input type="radio"/>	Jib operation (tilt and extension)
Parallel Links and Elevator Arms		<input type="radio"/>	Jib cylinders (condition, no leaks, chromed rod)
<input type="radio"/>	Structure (welds intact, no deformation or cracks)	<input type="radio"/>	Winch mounting (bolts secure, welds intact, no deformation or cracks)
<input type="radio"/>	Pivot pin (retainer condition, no deformation)		
Boom Tip		<input type="radio"/>	Winch motor mounting bolts secure
<input type="radio"/>	Platform pin	<input type="radio"/>	Winch brake operation
<input type="radio"/>	Hydraulic leveling cylinder (operation, mounting)	<input type="radio"/>	Gearbox outboard bearing secure
<input type="radio"/>	Boom tip weldment (welds intact, no deformation or cracks)	<input type="radio"/>	Winch line (condition, anchor point secure)
Platform		<input type="radio"/>	Winch cover (condition, in place)
<input type="radio"/>	Mounting secure (bracket, pins and fasteners)	<input type="radio"/>	Control valve (condition, operation, no leaks)
<input type="radio"/>	Platform mounting bolts secure	<input type="radio"/>	Hoses (routing, condition, no leaks)
<input type="radio"/>	Lanyard attachment secure	Lubrication	
R	Platform (condition, clean)	<input type="radio"/>	Interlock linkage
R	Liner (condition, clean)	<input type="radio"/>	Platform rotator spherical bearings
N	Platform liner retention system (condition, in place)	<input type="radio"/>	Upper control mechanical linkage
<input type="radio"/>	Placards (condition, readable)	NA	Outrigger valve handle linkage
<input type="radio"/>	Covers in place	<input type="radio"/>	Platform mounting pin and boss
<input type="radio"/>	Hoses (routing, not pinched or pulled, no leaks)	<input type="radio"/>	Rotation gearbox output shaft upper bearing
<input type="radio"/>	Fall arrest system (condition, in place)	<input type="radio"/>	Rotation gearbox lubricant level

O	Winch gearbox oil level	NA	Platform elevator slide rods
Required Maintenance (Regardless of Hours)			
Annual Testing		C	Platform liner dielectric test
	Vehicle inspection is up to date	C	Confirmation test of single handle control
C	Unit dielectric test		
1,000 PTO Hours/1 Year			
O	Perform the 500 hour/6 month inspection	Lower Boom	
Chassis Underside		R	ISO-Boom glue bond (fiberglass-to-steel visual inspection)
O	Hoses (routing, condition, no leaks)	O	ISO-Boom mounting cap screws annual torque inspection
O	Exhaust shields	Fiberglass	
Hydraulic Reservoir and System		O	Seal between insulator and steel tubes
N	Drain water from bottom of reservoir	O	Insulator is clean and waxed
NA	Clean suction filter	O	Insulator bond
	Change filler breather cap	NA	Seal between upper boom and steel tube
	Reservoir cover gasket condition	Upper Boom Extension Cylinder	
NA	Collect oil sample for analysis ¹	O	Annual trunnion pin torque inspection
Rotation Bearing and Rotation Gearbox		Structures	
O	Annual torque inspections	O	All structures and welds included on 500 hour/6 month checklist (no significant corrosion)
O	Rotation bearing inspection and measurement [before 0.050" (1.27 mm) increased wear from initial measurement] ²		
		Lubrication	
		O	Hose carrier assembly
2,000 PTO Hours/2 Years			
	Perform the 1,000 hour/1 year inspection		Change hydraulic oil
Hydraulic Reservoir and System		Lubrication	
	Flush hydraulic system		Pump input shaft splines
	Clean inside of reservoir		Change winch gearbox oil
	Clean suction filter		Single handle control trigger cam
Major Structural Inspection (Regardless of Hours)			
	Perform this inspection after the first 15 years of service, and at every 10-year interval thereafter		Cylinder eye structure (welds intact, no deformation or cracks)
	Perform 1,000 hour/1 year inspection		Self-lubricating bearing at rod eye ³
Load Test		Lower Leveling Cylinder	
	Perform major structural load test		Rod eye structure (welds intact, no deformation or cracks)
Cycle Times			Cylinder eye structure (welds intact, no deformation or cracks)
	Check all aerial functions for any operation faster than specified cycle times		Self-lubricating bearings at rod eye and cylinder eye ³
Lower Boom		Extension Cylinder	
	Self-lubricating bearings in lower boom for boom pivot pin ³		Cylinder eye structure (welds intact, no deformation or cracks)
Upper Boom Tip		Upper Leveling Cylinder	
	Self-lubricating bearings for platform leveling sprocket ³		Rod eye structure (welds intact, no deformation or cracks)
Outrigger Cylinder			Cylinder eye structure (welds intact, no deformation or cracks)
	Rod eye structure (welds intact, no deformation or cracks)		
Boom Lift Cylinder			Self-lubricating bearings at rod eye and cylinder eye ³
	Rod eye structure (welds intact, no deformation or cracks)		

Platform Elevator Cylinder		Articulating Arm	
	Rod eye structure (welds intact, no deformation or cracks)		Self-lubricating bearings in each end of articulating arm and link ³
	Cylinder eye structure (welds intact, no deformation or cracks)	Articulating Arm Cylinder	
	Self-lubricating bearings at rod eye and cylinder eye ³		Rod eye structure (welds intact, no deformation or cracks)
Platform Elevator			Cylinder eye structure (welds intact, no deformation or cracks)
	Self-lubricating bearings in platform elevator ³		
			Self-lubricating bearings at rod eye and cylinder eye ³

¹ Periodic laboratory analysis is the most accurate method of determining the condition of the hydraulic oil and when it should be changed. If laboratory analysis is used, take a baseline sample. Compare future lab tests on subsequent samples to the original to establish a trend.

² Initially measure turntable tilt as a baseline. Check rotation bearing wear every year until it measures 0.050" (1.27 mm) increased wear from initial measurements. After reaching 0.050" (1.27 mm) increased wear, measure every 6 months. Refer to the Maintenance Manual for the proper procedure. Record measurements in the Rotation Bearing Maintenance Log.

³ Perform bearing inspection test as described in Section 9 of the Maintenance Manual.

Comments _____

ANNUAL VEHICLE INSPECTION REPORT

SR #: 6761608	FA #: 027-72006401	DATE: 7/15/25
CUSTOMER: TNT EQUIPMENT SALES (FL)	INSPECTOR NAME: DOCKERY	
ADDRESS: 1921 STARKEY RD	THIS INSPECTOR MEETS THE QUALIFICATION REQUIREMENTS IN CFR SECTION 396.19 <input type="checkbox"/> Yes	
CITY, STATE, ZIP: LARGO FL, 33771	VIN: 3C7WRNBJ9LG231419	
VEHICLE TYPE: <input checked="" type="radio"/> TRUCK <input type="radio"/> TRAILER <input type="radio"/> OTHER	INSPECTION LOCATION: TAMPA 0107 ALTEC	

VEHICLE COMPONENTS INSPECTED

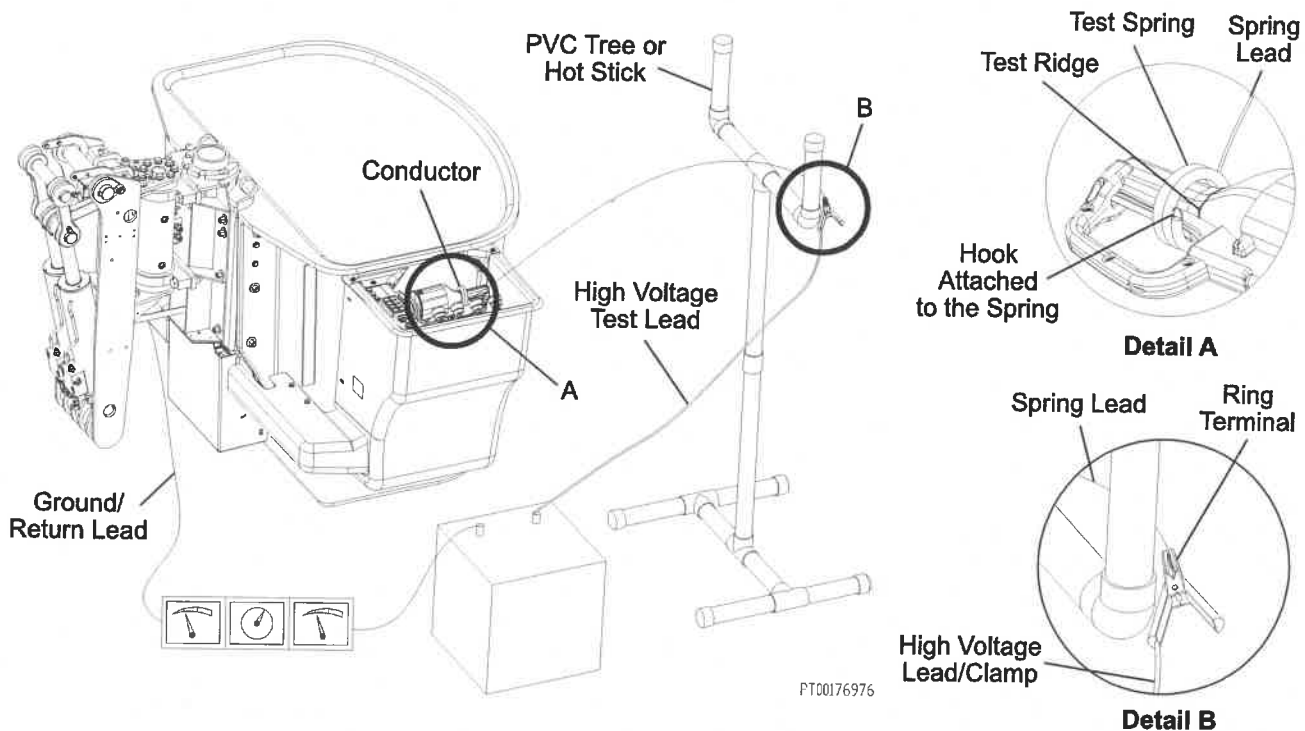
ITEM	OK	NEEDS REPAIR	N/A	REPAIRED DATE	ITEM	OK	NEEDS REPAIR	N/A	REPAIRED DATE
1. BRAKE SYSTEM					7. STEERING MECHANISM				
a. Service Brakes	✓				a. Steering Wheel Free Play	✓			
b. Parking Brake System	✓				b. Steering Column	✓			
c. Brake Drums or Rotors	✓				c. Front axle beam and ALL steering components other than steering columns	✓			
d. Brake Hose	✓				d. Steering Gear Box	✓			
e. Brake Tubing	✓				e. Pitman Arm	✓			
f. Low Pressure Warning Device			✓		f. Power Steering	✓			
g. Tractor Protection Valve			✓		g. Ball and Socket Joints	✓			
h. Air Compressor			✓		h. Tie Rods and Drag Links	✓			
i. Electric Brakes			✓		i. Nuts	✓			
j. Hydraulic Brakes	✓		✓		j. Steering System	✓			
k. Vacuum Systems	✓				8. SUSPENSION				
2. COUPLING DEVICES					a. Any U-Bolt(s), spring hanger(s), or other axle positioning part(s) cracked, broken, loose or missing resulting in shifting of an axle from its normal position	✓			
a. Fifth Wheels			✓		b. Spring Assembly	✓			
b. Pintle Hooks	✓				c. Torque, Radius, or Tracking Components	✓			
c. Drawbar/Towbar Eye			✓		9. FRAME				
d. Drawbar/Towbar Tongue			✓		a. Frame Members/Rear Impact Guard	✓			
e. Safety Devices	✓				b. Tire and Wheel Clearance	✓			
f. Saddle-Mounts	✓				c. Adjustable Axle Assemblies (Sliding Subframes)			✓	
3. EXHAUST SYSTEMS					10. TIRES				
a. Any exhaust system determined to be leaking at a point forward of or directly below the driver/sleeper compartment.	✓				a. Tires on any steering axle of a power unit	✓			
b. A bus exhaust system leaking or discharging to the atmosphere in violation of standards (1), (2), or (3).	✓				b. All Other Tires	✓			
c. No part of the exhaust system of any motor vehicle shall be so located as would be likely to result in burning, charring, or damaging the electrical wiring, the fuel supply, or any combustible part of the motor vehicle.	✓				11. WHEELS AND RIMS				
4. FUEL SYSTEM					a. Lock or Side Ring			✓	
a. Visible Leak	✓				b. Wheels and Rims	✓			
b. Fuel Tank Filler Cap Missing	✓				c. Fasteners	✓			
c. Fuel Tank Securely Attached	✓				d. Welds	✓			
5. LIGHTING DEVICES					12. WINDSHIELD GLAZING				
a. All lighting devices and reflectors required by Section 393 shall be operable	✓				a. Requirements and exceptions as stated pertaining to any crack, discoloration or vision reducing matter (Reference 393.60)	✓			
6. SAFE LOADING					13. WINDSHIELD WIPERS				
a. Part(s) of vehicle or condition of loading such that the spare tire or any part of the load or dunnage can fall onto the roadway	✓				a. Any power unit that has an inoperative wiper, or missing or damaged parts that render it ineffective	✓			
b. Protection against shifting cargo	✓				Any other condition which may prevent safe operation of this vehicle:				

INSTRUCTIONS: Mark column entries to verify inspection: ✓ OK, ✓ NEEDS REPAIR, ✓ NA IF ITEMS DO NOT APPLY, ___ REPAIRED DATE.

CERTIFICATION: This vehicle has passed all the inspection items for the Annual Vehicle Inspection Report in accordance with 49 CFR 396.

Refer to SG0162 Federal DOT Inspection Standard Work for more information

DC Periodic Test of Upper Control Component With High Electrical Resistance on Insulating Aerials



1. Read and understand the dielectric test information in the Maintenance Manual, ANSI requirements, and the manual for the test device being used.
2. Insulate the unit from the ground by placing polyethylene pads beneath each tire and outrigger leg.
3. Upper control components must be clean and dry (including inside/outside of bellows) prior to testing. Clean with isopropyl alcohol if necessary.
4. Wrap the test spring (refer to Service Tools and Supplies) around the control handle as shown above. The first wrap of the spring starts below the test ridge and wraps toward the end of the control handle. Use the hook at the end of the spring to connect back to the spring on the control handle and away from conductive components.
5. Attach the high voltage lead of the DC test set to the terminal ring of the spring lead. Use the length of the spring lead to keep the high voltage clamp and the high voltage lead from conductive components and platform control areas. Elevate the entire high voltage test lead on an 8' (2.44 m) hot stick or PVC tree (refer to Service Tools and Supplies) to prevent a short circuit and protect the high voltage test lead from ground contact.
6. Connect the shielded return lead of the DC test set to a bonding cable or other conductive component near the platform rotator.
7. It is not necessary to raise or extend the upper boom. The platform may be tested near the tailshelf for easier access.
8. Clear the test site, and prepare for high voltage testing in guard mode to identify return leakage current.
9. Turn the DC test set on.
10. Gradually increase the voltage to 56 kV. Hold at 56 kV for 3 minutes continuously. If flashover occurs or the leakage rate exceeds 56 microamps, the control has failed the test. Record the leakage current. Leakage current of 0 microamps is typically not a passing test. Check test setup and/or test equipment.
11. Gradually decrease the voltage to zero, turn off the test set, unplug the test set from its power source, and safely ground the test set.

Test performed by: SHOP Other (specify) _____

Service request # 676 Altec model # AT48M

Unit serial # 0920GH3295 Control serial # _____

Test device # 676 Test voltage 56KV Leakage current (microamp) 007

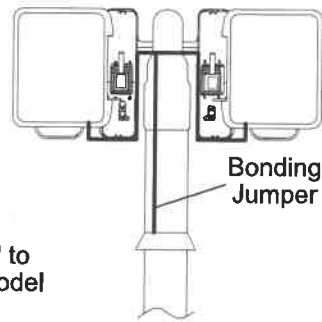
Pass X Fail (reason) _____

Comments _____

Signature of technician DOCKERY Date of test 5/8/25

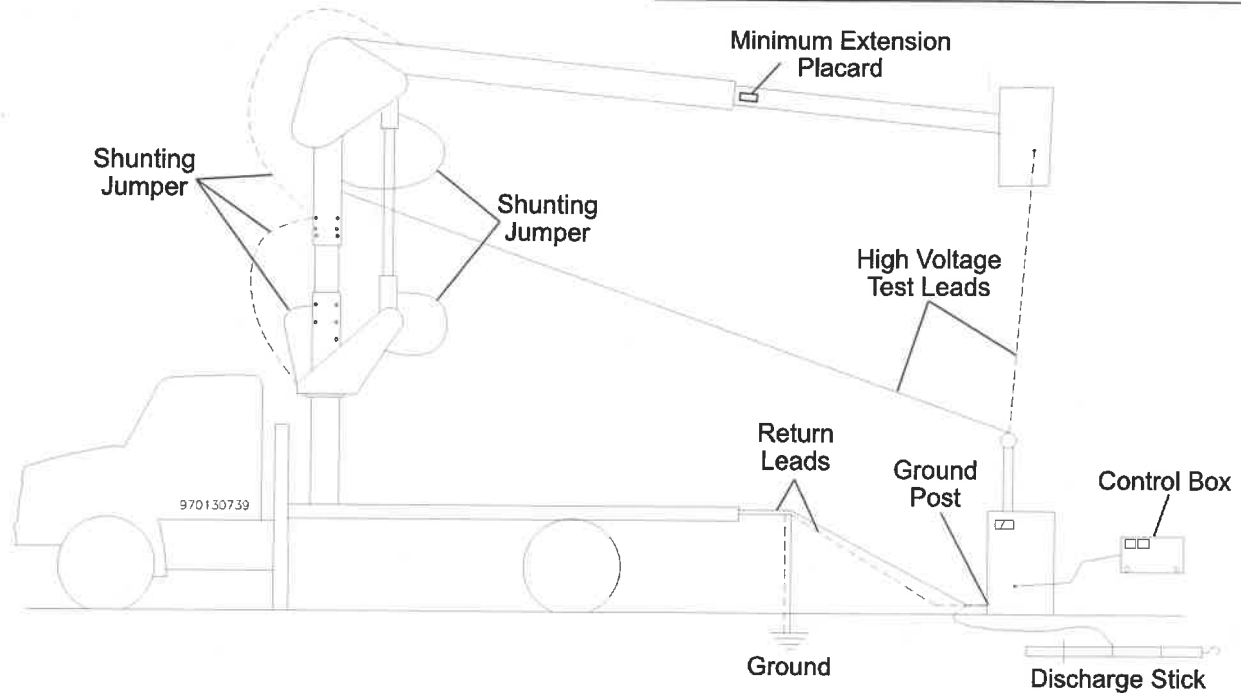
DC Periodic Dielectric Test Form For All Category A, B, and C Insulating Telescopic Articulating Aerials

Upper Boom Test -----
 Articulating Arm Test _____



Drawing not intended to represent a specific model

Fully Retracted	Upper Boom Extension Past Minimum Extension Placard
AT40-G (ISO-Boom)	AT35-G/37-G
AT40M/P (ISO-Boom)	AT36/40M/P (steel boom)
AT40-GW (ISO-Boom)	AT37-GW
AT41M/P (ISO-Boom)	AT40-G (steel boom)
AT41ME/PE (ISO-Boom)	AT40-GW (steel boom)
AT48M/P	TA37M/41M/45M
AT48ME/PE	TA Elevator, material handling
AT48MW/PW	TA50/55/60
AT41MW/PW (ISO-Boom)	AT37M/P
	AT37ME/PE
	AT41M/P (steel boom)
	AT41ME/PE (steel boom)
	TA36/40/45
	TA Elevator, personnel
	AT41MW/PW



Keep a dated and signed service record for a period of five years or as required by applicable regulations.

1. Read and understand the dielectric test information in the Maintenance Manual, ANSI requirements, and the manual for the test device being used.
2. This procedure is for a DC test device with output current metering. However, some manufacturers use low-side current metering in series with the output as an equivalent or more conservative approach to output current metering. If equipped with a selector switch, set the switch to Ground Return.
3. The test area should be dry and appropriately roped off to prevent bystanders from entering the test area.
4. If equipped, visually inspect the atmospheric vents, and verify proper operation of each vent.

5. Visually inspect the inside of the insulating boom for cleanliness and foreign materials that could compromise the insulating properties of the component or system. Do not use the dielectric test to remove moisture from the insulating section of the boom.
6. Operate the boom and platform functions to fill the hydraulic lines with oil.
7. Ground chassis, test device or control box, and discharge stick (if equipped) as shown.
8. No isolation pads are required under the vehicle tires or outriggers.
9. Electrically bond all metal at the boom tip to ensure all possible current paths are considered. Include all conductive brackets, air plunger switches, hydraulic valves, controls, cylinders, jib brackets, etc.
10. On Category A units with a nonconductive platform, install and bond a metal liner.
11. Extend the upper boom to just past the minimum extension placard, if required.
12. Attach the high voltage test lead and shunting jumpers as shown for the upper and lower boom test.
13. Set up booms to maintain at least 24" (60.96 cm) of clearance between conductive components as shown.
14. It is not necessary to use the meter receptacle on the upper boom of Category A and B aerial devices for the upper boom test. However, whether the meter receptacle is used or not, all internal connections to this receptacle must be checked to verify that all current paths through the boom are properly connected to ensure proper function.
15. Voltage and maximum allowable leakage for the upper boom test are as follows.
 - a. Category C – 46 kV and below – 56 microamps at 56 kV after 3 minutes
 - b. Category A/B – 46 kV and below – 28 microamps at 56 kV after 3 minutes
 - c. Category A/B – 69 kV – 42 microamps at 84 kV after 3 minutes
 - d. Category A/B – 138 kV – 84 microamps at 168 kV after 3 minutes
16. Voltage and maximum allowable leakage for the articulating arm test is 100 microamps at 50 kV.
17. To test the upper boom, gradually increase the voltage to the proper level. Hold for three minutes. If flashover occurs or the leakage rate exceeds the maximum value, the unit has failed the test. Record leakage current. A leakage of zero microamps is typically not a passing test. Check test setup and/or test equipment.
18. To test the articulating arm, gradually increase the voltage to 50 kV. Hold for three minutes. If flashover occurs or the leakage rate exceeds 100 microamps, the unit has failed the test. Record leakage current. A leakage of zero microamps is typically not a passing test. Check test setup and/or test equipment.

Test performed by: SHOP Other (specify) _____

Service request # 6761608 Altec model # AT48M Serial # 0920GH3295

Test device # 676 Test voltage 56KV Category/voltage rating C

Upper boom leakage current (microamp) .07 Articulating arm leakage current (microamp) .06

Meter receptacle and connections condition (step 14 from procedure) _____

Pass Fail (reason) _____

Comments _____

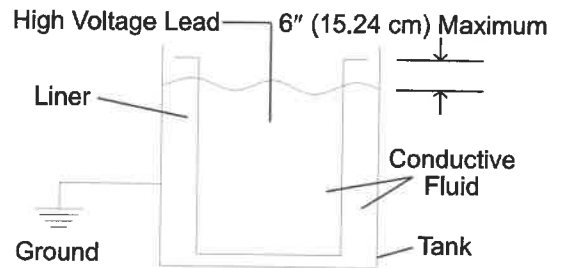
Signature of technician DOCKERY Date of test 5/8/25

Periodic Dielectric Test Form for Platform Liners

Either method may be used.

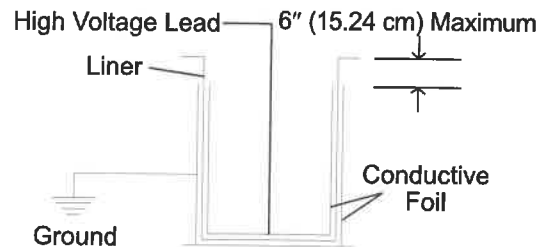
Wet Method Setup

1. Connect a ground lead to the steel tank.
2. Immerse the liner in the tank and fill with conductive fluid until the level around both the inner and outer surfaces of the liner is within 6" (15.24 cm) of the top of the liner.
3. Suspend the high voltage lead in the fluid within the liner.



Dry Method Setup

1. Refer to TRS-0001 to apply conductive foil to the liner and conduct the test.
2. Connect a ground to the outer conductive foil.
3. Connect the high voltage lead to the inner conductive foil.



Testing (Wet or Dry)

1. Apply the test voltage to the conductive fluid or foil. Voltage may be either 35 kV (60 hertz) for 1 minute or 100 kV DC for 3 minutes.
2. If flashover occurs, or the liner wall punctures, the liner has failed the test.
3. Turn off the test voltage (be sure the voltage meter indicates zero voltage). Remove the high voltage lead. Remove the liner from the tank or remove the foil covering.
4. The test for more than one liner may be recorded on the same form providing the same setup is used to eliminate external variables.

Conclusion

Unit Serial No.	Liner Part No.	Liner Serial No.	Pass (Initials)	Fail (Reason)
0920GH3295		Z0Z16739433	OM	

Wet/dry DRY Test voltage 100KV Test device number 676

Comments _____

Signature of technician DOCKERY Date of test 5/8/25