LR7	Series
ENU	1-80

	Preventive Mainte	nance and	Inspection Ch	necklist	EN08-1
Vehicle					2024
Vehicle No.         027-35992147         Location         Ca           Service Request #         6419650         Model #         LR           Odometer         90525km         Hours Meter         PTO 532			Serial	0815FF420	08
Odometer 90525km Hours Meter PTO 53			Inspector Shayne	Schlosser	
Open A	Altec Product Notices N/A				
Check 1-877-	for Altec Product Notices or other appl GO ALTEC (1-877-462-5832) or by conf	icable document tacting altec.conr	s provided by Altec for nect@altec.com.	servicing the	unit by calling
and/or mainte	m all inspections, adjustments, repairs, a service manuals. If tracking PTO hours on nance intervals. If performing maintenar y intervals. The required items apply to	using an approve nce based upon a	d method or device, fol calendar based sched	low the recomi	mended hourly
Intervals  ☐ Prior to placing the unit in service ☐ 1,000 PTO hours/1 year  ☐ 85 PTO hours/1 month ☐ 2,000 PTO hours/2 years  ☐ Required maintenance  Symbols ☐ C = Corrected by inspector ☐ U = Unsafe to operate  ☐ R = Repair or replacement required  N/A = Not applicable				tenance	
		Placing the Un			
N/A	Perform the Preoperational Inspection		ion Bearing	nent²: 0.065	5"
Hydrai	(refer to the Operator's Manual)  Jlic Reservoir and System	0	Turntable tilt measuren	ient0.000	
	Check oil and collect oil sample for analysis	.1			
IN//A		5 PTO Hours/1	Month		
0	Perform the Preoperational Inspection		ral Condition	-1	P 1
I bealess	(refer to the Operator's Manual)	0	Clean debris from arou		-
	ulic Reservoir	0	Clean debris from arou		
O Oil level Fiberglass			Clean debris and obstru	JCHOITS HOITI AFO	und elevator
	Upper boom cleanliness	Manu	Operator's Manual pres	cont	
	Upper boom cleaniness		Operator's Maritial pres		

85 PTO Hours/1 Month					
0	Perform the Preoperational Inspection	General Condition			
U	(refer to the Operator's Manual)		Clean debris from around upper boom cylinders		
Hydraulic Reservoir		0	Clean debris from around platform leveling sprockets		
0	Oil level	0	Clean debris and obstructions from around elevator		
Fiberg	lass	Manuals			
0	Upper boom cleanliness	0	Operator's Manual present		
0	Upper boom surface damage	0	Safety and Sentry documents present		
0	Lower boom insulator cleanliness	Lubric	ation		
0	Lower boom insulator surface damage	0	Lower boom cylinder spherical bearings		
Hydrau	ulic System	0	Rotation bearing ball race		
0	No leaks at pedestal	0	Upper boom cylinder pivot bearing (base end)		
0	No leaks at turntable	0	Lower boom cylinder pivot bearings (LR752 only)		
R	No leaks at platform	0	Elevator cylinder pivot bearings		
0	No leaks at hose connections in lower boom	0	Rotation pinion and rotation bearing gear teeth		
	500 PTO Hou	ırs/6 N	lonths		
0	Perform the 85 hour/1 month inspection	Supple	emental Brake Lock		
PTO		N/A	Operation (holding, bleed-off)		
0	Operation	Pump			
0	Noise level	0	Noise level		
0	No leaks	R	No leaks		
0	Mounting bolts tight	0	Mounting bolts tight		

N/A   Drive line   Hydraulic System Pressure   3000		Four halt flange halts light		Control and the control of the contr
Battery O   Mounting (vertically and horizontally secure)   R   Maximum tool system pressure 3000   C   Electrical connection (secure, no corrosion)   O   Standby pressure 258   C   Routing (cables do not cross, fuses secure)   Lower Control Station   All Electrical   O   Routing (cables do not cross, fuses secure)   Lower Control Station   All Electrical   O   Placards (condition, readable)   C   Components and wiring (clearances, tightness, support no insulation damage)   N/A   Secondary stowage DC pump (operation, no leaks)   O   Connections (secure, no corrosion)   O   Statuture (welds intact, no deformation or cracks)   O   Visual inspection of mounting fasteners   O   Structure (welds intact, no cracks)   O   Subbase mounting (fasteners secure, welds intact, no cracks, bolts tight)   O   Rotary joint mounting bolts tight   O   Pedestal structure (welds intact, no cracks, bolts tight)   O   Rotary joint mounting bolts tight   O   Pedestal structure (welds intact, no cracks)   O   Structure (welds intact, no deformation or cracks)   O   Body mounting (bolts tight, welds intact, no cracks)   O   Structure (welds intact, no deformation or cracks)   O   Body mounting (bolts tight, welds intact, no cracks)   O   Structure (welds intact, no deformation or cracks)   O   Shutoff valve fully open   O   Hoses and tubes (routing, condition)   O   No leaks   O   Shutoff valve fully open   O   Hoses and tubes (routing, condition)   O   No leaks   O   Change return line filter   O   Rotary joint (loose mounting bolts)   O   Change return line filter   O   Rotary joint (loose mounting bolts)   O   Change return line filter   O   Rotary joint (loose mounting bolts)   O   Change return line filter   O   Rotary joint (loose mounting bolts)   O   No leaks   O   Peration   O   Rotation bearing age reteth condition   N/A   Mounting (leavel)   O   No leaks   O   Peration   O   Rotation bearing gear teeth condition   O   No leaks   O   O   Peration   O	0	Four bolt flange bolts tight	0	Control valves (operation, no leaks)
O Mounting (vertically and horizontally secure)     Electrical connection (secure, no corrosion)     O Standby pressure 258  All Electrical     O Routing (cables do not cross, fuses secure)  All Electrical     O Placards (condition, readable)  Components and wring (clearances, tightness, support no insulation damage)  O Connections (secure, no corrosion)  O Visual inspection of mounting fasteners  O Visual inspection of mounting fasteners  O Visual inspection of mounting fasteners  O Stution selector valve (operation, no leaks)  O Rotary joint divice pini (operation or cracks)  O Rotary joint divice pini (condition, cotter pin in place)  O Rotary joint mounting bolts tight  O Rotary joint mounting bolts tight  O Structure (welds intact, no deformation or cracks)  O Structure (welds intact, no deformation or cracks)  O Rotary joint mounting bolts tight  O Rotary joint mounting bolts tight  O No leaks  O Structure (welds intact, no deformation or cracks)  O No leaks  O Structure (welds intact, no deformation or cracks)  O No leaks  O Check proving finity f			<del></del>	
O Electrical connection (secure, no corrosion) O Routing (cables do not cross, fuses secure) A DELECTRICAL O Components and wiring (clearances, tightness, support, no insulation damage) O Connections (secure, no corrosion) O Station selector valve (operation, no leaks) N/A Secondary stowage DC pump (operation, no leaks) N/A Subbase mounting (fasteners secure, welds intact, no cracks) O Stubbase structure (welds intact, no cracks) O Subbase structure (welds intact, no cracks) O Pedestal mounting (welds intact, no cracks) O Pedestal structure (welds intact, no cracks, bolts tight) O Pedestal structure (welds intact, no cracks, bolts tight) O Boom rest (welds intact, no cracks, bolts tight) O Body mounting (bolts tight, welds intact, no cracks) O Body mounting (bolts tight, welds intact, no cracks) O Body mounting (bolts tight, welds intact, no cracks) O Shutoff valve fully open O Body mounting (bolts tight, welds intact, no cracks) O Shutoff valve fully open O Brace from bottom O Brace from bottom O Brace from bottom O Change return line filter			<del> </del>	
All Electrical O Placards (condition, readable) O Components and wiring (clearances, tightness, support no insulation damage) O Connections (secure, no corrosion) O Station selector valve (operation, no leaks) O Connections (secure, no corrosion) O Visual inspection of mounting fasteners O Structure (welds intact, no deformation or cracks) O Subbase mounting (fasteners secure, welds intact, no cracks) O Subbase structure (welds intact, no cracks) O Subbase structure (welds intact, no cracks) O Pedestal Incurred (welds intact, no cracks) O Pedestal structure (welds intact, no cracks) O Pedestal structure (welds intact, no cracks) O Body mounting (botts tight, welds intact, no cracks) O Body mounting (botts tight, welds intact, no cracks) O Body mounting (botts tight, welds intact, no cracks) O Body mounting (cap screws tight, welds intact, no cracks) O Structure (welds intact, no deformation or cracks) O Structure (welds intact, no deformation or cracks) O Body mounting (cap screws tight, welds intact, no cracks) O Structure (welds intact, no deformation or cracks) O Structure (welds intact, no deformation or cracks) O Structure (welds intact, no deformation or cracks) O Body mounting (cap screws tight, welds intact, no cracks) O Structure (welds intact, no deformation or cracks) O Drain water from bottom O Change return line filter O Change retu				
All Electrical  Components and wiring (clearances, tightness, support no insulation damage)  Components (secure, no corrosion)  O Intervention (Secure public intervention or corrosion)  O Intervention (Secure public intervention (Secure public intervention or corrosion)  O Intervention (Secure public intervention (Secure				· ·
O Components and wiring (clearances, tightness, support no insulation damage) O Connections (secure, no corrosion) O Station selector valve (operation, no leaks)  N/A Secondary stowage DC pump (operation, no leaks)  N/A Station selector valve (operation, no leaks)  N/A Secondary stowage DC pump (operation, no leaks)  O Structure (welds intact, no deformation or cracks)  O No leaks  O Rotary joint drive pin (condition, cotter pin in place)  O Structure (welds intact, no deformation or cracks)  O Structure (welds intact, no deformation or cr			<del></del>	
O no insulation damage)  N/A Secondary stowage DC pump (operation, no leaks)  Connections (secure, no corrosion)  O Station selector valve (operation, no leaks)  Vinit Mounting  Pedestal  O Visual inspection of mounting fasteners  O Structure (welds intact, no deformation or cracks)  O Subbase mounting (fasteners secure, welds intact, no cracks)  O Subbase structure (welds intact, no cracks)  O Pedestal mounting (welds intact, no cracks)  O Pedestal mounting (welds intact, no cracks)  O Pedestal structure (welds intact, no cracks)  O Pedestal structure (welds intact, no cracks)  O Pedestal structure (welds intact, no cracks)  O Boom rest (welds intact, no deformation or cracks)  O Body mounting (bolts tight, welds intact, no cracks)  O Body mounting (cap screws tight, welds intact, no cracks)  O No leaks  O Shutoff valve fully open  O Drain water from bottom  Filters  O Change return line filter  O Change return line filter  O Change return line filter  O Rotary joint (loose mounting bolts)  N/A Drive line  O Rotary joint (loose mounting bolts)  N/A Drive line  O Rotation bearing cap screws visual inspection  N/A Drive line  O Rotation bearing gear teeth condition  N/A Dearbox (oil level)  N/A Dia leaks  O Mounting (welds intact, no deformation or cracks)  O Rotation bearing gear teeth condition  N/A No leaks  O Gearbox mounting bolts visual inspection  N/A Winch line anchor point  O Winch winch point  O Outrigger motion alarm (operation)  O Adrial device/outriggersselector valve (operation, no leaks)  O Outrigger miterlock system (operation holding w/o drift)  O Check cylinder for signs of rubbing  O Hoses and tubes (routing, condition, or cracks)  O Hoses and tubes (routing, condition)  O Hoses  O Hoses and tubes (routing, condition)  O No leaks  O No leaks  O Hoses and ubes (routing, condition)  O Winch line on the point or cracks	All Ele	T		Placards (condition, readable)
no insulation damage)    N/A   Secondary stowage DC pump (operation, no leaks)	0		<b>⊢</b> —	
Unit Mounting  O Visual inspection of mounting fasteners O Visual inspection of mounting fasteners O Subbase mounting (fasteners secure, welds intact, no cracks) O Subbase structure (welds intact, no cracks) O Rotary joint drive pin (condition, cotter pin in place) O Pedestal mounting (welds intact, no cracks) O Rotary joint drive pin (condition, cotter pin in place) O Pedestal structure (welds intact, no cracks) O Boom rest (welds intact, no deformation or cracks) O Boom rest (welds intact, no deformation or cracks) O Body mounting (bolts tight, welds intact, no cracks) O No leaks O No leaks O Structure (welds intact, no deformation or cracks) O Hydraulic Reservoir O Mounting (cap screws tight, welds intact, no cracks) O Shutoff valve fully open O Hoses and tubes (routing, condition, bolt tight and retaining rings in place) O Drain water from bottom O I Change return line filter O Chassis Winch N/A Mounting secure N/A Drive line N/A Gearbox (oil level) N/A Operation N/A Operation N/A Operation O Rotation bearing cap screws visual inspection N/A Operation O Rotation bearing gear teeth condition N/A No leaks O Gearbox mounting bolts visual inspection N/A Winch line O Rotation bearing gear teeth condition O Check coentric ring lock bar bolt tightness O Check eccentric ring lock bar bolt tightness O Check coentric ring lock bar bolt tightness O Check coentric ring lock bar bolt tightness O Check coentric ring lock bar bolt tightness O Check cylinder for signs of rubbing  Lower Boom Cylinder O Rotation O Rotation bearing inspection and measurement [after 0.050" (1.27 mm) increased wear from initial measurement! <sup>2</sup> Lower Boom Cylinder O Rotation O Rotation O Rotation O Rotation not reads on the light result of the properties of the proper				Secondary stowage DC pump (operation, no leaks)
O Visual inspection of mounting fasteners O Subbase mounting (fasteners secure, welds intact, no cracks) O Subbase mounting (fasteners secure, welds intact, no cracks) O No leaks O Subbase structure (welds intact, no cracks) O Pedestal mounting (welds intact, no cracks, bolts tight) O Pedestal mounting (welds intact, cracks) O Boom rest (welds intact, no deformation or cracks) O Body mounting (bolts tight, welds intact, no cracks) O Body mounting (bolts tight, welds intact, no cracks) O Mounting (cap screws tight, welds intact, no cracks) O No leaks O Shutoff valve fully open O In valve fully open O Change return line filter O Change return line filter O Rotary joint (loose mounting bolts) NI/A Mounting secure NI/A Grearbox (oil level) NI/A Brake (oil level) NI/A No leaks O Gearbox mounting bolts visual inspection NI/A Winch line O Check cylinder point O Check cylinder point O Rotary joint (loose mounting bolts) O Rotario Bearing and Gearbox O Printon gear teeth condition O Rotation bearing cap screws visual inspection O Rotation bearing gear teeth condition O Rotation bearing gear teeth condition O Rotation bearing gear teeth condition O Check eccentric ring lock bar bolt tightness O Check cylinder for signs of rubbing O Check cylinder for signs of rubbing O Rotaxion Mounting bolts visual inspection and measurement [after 0.050" (1.27 mm) increased wear from initial measurement] <sup>2</sup> D Check cylinder for signs of rubbing O Rotaxion Dearing secure within cylinder eyes O Pins and retainers secure, retaining cap screws tight O No leaks O Pins and retainers secure, retaining cap screws tight O No leaks O Hotaks O Hotaks (O Hotaks) O Hotaks	0	Connections (secure, no corrosion)	0	Station selector valve (operation, no leaks)
Subbase mounting (fasteners secure, welds intact, no cracks) O Subbase structure (welds intact, no cracks) O Pedestal mounting (welds intact, no cracks, bolts tight) O Pedestal structure (welds intact, no cracks, bolts tight) O Pedestal structure (welds intact, no cracks) O Boom rest (welds intact, no deformation or cracks) O Boom rest (welds intact, no deformation or cracks) O Body mounting (bolts tight, welds intact, no cracks) O Body mounting (bolts tight, welds intact, no cracks) O Mounting (cap screws tight, welds intact, no cracks) O No leaks O Shutoff valve fully open O Drain water from bottom O Drain			Pedes	tal
O no leaks O Subbase structure (welds intact, no cracks) O Rotary joint drive pin (condition, cotter pin in place) O Pedestal mounting (welds intact, no cracks, bolts tight) O Pedestal structure (welds intact, cacks) O Boom rest (welds intact, no deformation or cracks) O Boom rest (welds intact, no deformation or cracks) O Body mounting (bolts tight, welds intact, no cracks) O Body mounting (bolts tight, welds intact, no cracks) O Body mounting (bolts tight, welds intact, no cracks) O Body mounting (bolts tight, welds intact, no cracks) O Body mounting (cap screws tight, welds intact, no cracks) O No leaks O Shutoff valve fully open O Shutoff valve fully open O Drain water from bottom O Change return line filter O Rotary joint (loose mounting bolts) O Rotatory loint (loose mounting bolts) O Rotation bearing and Gearbox O N/A Brake (oil level) O No leaks O Pinion gear teeth condition N/A Operation O Rotation bearing gear teeth condition N/A Operation O Rotation bearing gear teeth condition O Rotation bearing gear teeth condition O Rotation motor mounting bolts tight O Operation (smoothness and noise level) Outriggers O Mounting (welds intact, no deformation or cracks) O Check eccentric ring lock bar bolt tightness O Check cylinder for signs of rubbing O Rotation bearing inspection and measurement (after 0.050° (1.27 mm) increased wear from initial measurement) O Rotation bearing inspection and measurement (after 0.050° (1.27 mm) increased wear from initial measurement) O Check cylinder for signs of rubbing O Rotation rotation, no leaks O Pins and retainers secure, retaining cap screws tight O Rotation parting inspection and measurement (after 0.050° (1.27 mm) increased wear from initial measurement) O Rotation bearing inspection and measurement (after 0.050° (1.27 mm) increased wear from initial measurement)	<u> </u>	Visual inspection of mounting fasteners	0	Structure (welds intact, no deformation or cracks)
O Subbase structure (welds intact, no cracks) O Pedestal mounting (welds intact, no cracks, bolts tight) O Pedestal structure (welds intact, cracks) O Boom rest (welds intact, no deformation or cracks) O Boom rest (welds intact, no deformation or cracks) O Body mounting (bolts tight, welds intact, no cracks) O Body mounting (bolts tight, welds intact, no cracks) O Mounting (cap screws tight, welds intact, no cracks) O No leaks O Structure (welds intact, no deformation or cracks) O No leaks O Structure (welds intact, no deformation or cracks) O Cohange return line filter O Change return line filter O Rotation Bearing and Gearbox N/A Slip ring (loose mounting bolts) N/A Gearbox (oil level) O No leaks O Rotation bearing cap screws visual inspection N/A Operation N/A Operation N/A Operation O Rotation bearing gear teeth condition N/A Operation O Rotation bearing gear teeth condition O Check eccentric ring lock bar bolt tightness O Check eccentric ring lock bar bolt tightness O Check eccentric ring lock bar bolt tightness O Check cylinder for signs of rubbing O Check cylinder for signs of rubbing O Rotation bearing inspection and measurement [after O.50° (1.27 mm)	0	Subbase mounting (fasteners secure, welds intact,	0	Hoses and tubes (routing, condition)
O Pedestal mounting (welds intact, no cracks, bolts tight) O Pedestal structure (welds intact, cracks) D Boom rest (welds intact, no deformation or cracks) O Body mounting (bolts tight, welds intact, no cracks) Hydraulic Reservoir O Mounting (cap screws tight, welds intact, no cracks) O No leaks O Shutoff valve fully open O Idea (part of the second o		no cracks)	0	No leaks
O Pedestal structure (welds intact, cracks) O Boom rest (welds intact, no deformation or cracks) O Body mounting (bolts tight, welds intact, no cracks) O Body mounting (bolts tight, welds intact, no cracks) Hydraullc Reservoir O Mounting (cap screws tight, welds intact, no cracks) O No leaks O Shutoff valve fully open O Drain water from bottom Filters O Change return line filter O Change return line filter O Chassis Winch N/A Mounting secure N/A Drive line N/A Brake (oil level) N/A Operation N/A Operation N/A No leaks O Gearbox (oil level) N/A No leaks O Gearbox mounting bolts visual inspection N/A No leaks O Gearbox mounting bolts visual inspection N/A No leaks O Gearbox mounting bolts visual inspection N/A Operation Operation Operation N/A Operation Operat	0	Subbase structure (welds intact, no cracks)	0	Rotary joint drive pin (condition, cotter pin in place)
O Boom rest (welds intact, no deformation or cracks) O Body mounting (bolts tight, welds intact, no cracks) Hydraulic Reservoir O Mounting (cap screws tight, welds intact, no cracks) O No leaks O Shutoff valve fully open O Drain water from bottom Filters O Change return line filter O Change return line filter O Rotary joint (loose mounting bolts) N/A Mounting secure N/A Direction O Drive line N/A Operation N/A Operation N/A No leaks O Minch line N/A Operation O Rotation bearing agear teeth condition Operation motor mounting bolts visual inspection Operation (smoothness and noise level) Operation bearing inspection and measurement [after operation operation operation operation operation bearing inspection and measurement [after operation O Aerial device/outriggers selector valve (operation, no leaks) O No leaks	0		0	Rotary joint mounting bolts tight
December 2015   Body mounting (bolts tight, welds intact, no cracks)   O   Lower boom pin (forged pin retainer condition, bolt tight and retaining rings in place)   O   Mounting (cap screws tight, welds intact, no cracks)   O   No leaks   O   Drain water from bottom   Drain water from bottom water from bottom   Drain water from bottom   Drain water fro	0	Pedestal structure (welds intact, cracks)	Turnta	able
Hydraulic Reservoir  Mounting (cap screws tight, welds intact, no cracks)  No leaks  Shutoff valve fully open  Change return line filter  Chassis Winch  N/A  Mounting secure  N/A  Dive line  N/A  Barake (oil level)  N/A  No leaks  O Pinion gear teeth condition  N/A  No leaks  O Check cylinder for signs of rubbing  O Check cylinder for signs of rubbing  O No leaks  O Pins and retaining rings in place)  Lower boom cylinder pivot pin (retainer condition, bolt tight and retaining rings in place)  Lower boom cylinder pivot pin (retainer condition) no leaks  Leveling chain anchor weldment (cap screws and nuts tight)  Leveling chain anchor weldment (cap screws and nuts tight)  Leveling chain anchor weldment (cap screws and nuts tight)  Leveling chain anchor weldment (cap screws and nuts tight)  Leveling chain anchor weldment (cap screws and nuts tight)  Leveling chain anchor weldment (cap screws and nuts tight)  Leveling chain anchor weldment (cap screws and nuts tight)  Leveling chain anchor weldment (cap screws and nuts tight)  N/A  Stip ring (loose mounting bolts)  N/A  N/A  N/A  Stip ring (loose mounting bolts)  N/A  N/A  N/A  Stip ring (loose mounting bolts)  N/A  N/A  Stip ring (loose mounting bolts)  N/A  N/A  N/A  Stip ring (loose mounting bolts)  N/A  N/A  Stip ring (loose mounting bolts)  N/A  N/A  Stip ring loose and Stip ring look are bolts)  O Check eccentric ring lock bar bolt tightness  O Check eccentric ring lock bar	0	Boom rest (welds intact, no deformation or cracks)	0	Structure (welds intact, no deformation or cracks)
tight and retaining rings in place)  O Mounting (cap screws tight, welds intact, no cracks) O No leaks O Shutoff valve fully open O I Drain water from bottom  Filters O Change return line filter O Change return line filter O Rotation Bearing and Gearbox N/A Slip ring (loose mounting bolts) N/A Drive line N/A Gearbox (oil level) N/A Strake (oil level) N/A Operation N/A Winch line anchor point O Dutriggers O Mounting (welds intact, no deformation or cracks) O Check cylinder for signs of rubbing O Check cylinder for signs of rubbing O Pins and retaining rings in place)  Lower boom cylinder pivot pin (retainer condition, bolt tight and retaining rings in place)  Lower boom cylinder pivot pin (retainer condition, bolt tight and retaining rings in place)  Lower boom cylinder pivot pin (retainer condition, bolt tight may be and tubes (routing, condition, no leaks)  O Rotation bear and retaining rings in place)  Lower boom cylinder pivot pin (retainer condition, bolt tight tight (loose mounting bolts)  Lower boom cylinder pivot pin (retainer condition, no leaks)  O Wolating (loose mounting bolts)  Levelling chain anchor weldment (cap screws and nuts tight)  N/A No leaks O Rotation bearing and Gearbox  N/A No leaks O Gearbox mounting bolts visual inspection  N/A No leaks O Gearbox mounting bolts visual inspection O Rotation bearing post visual inspection O Check eccentric ring lock bar bolt tightness O Rotation bearing inspection and measurement [after 0.050" (1.27 mm) increased wear from initial measurement]  O Check cylinder for signs of rubbing O Structures (welds intact, no deformation or cracks) O Bearings secure within cylinder eyes O Pins and retainers secure, retaining cap screws tight O No leaks O Holding valves (operation, no leaks)	0	Body mounting (bolts tight, welds intact, no cracks)	٦	Lower boom pin (forged pin retainer condition, bolt
O No leaks O Shutoff valve fully open O Shutoff valve fully open O Drain water from bottom Filters O Change return line filter O Change seure Rotation Bearing and Gearbox N/A Drive line N/A Gearbox (oil level) N/A Slepration N/A Operation N/A Operation N/A No leaks O Gearbox mounting bolts visual inspection N/A No leaks O Gearbox mounting bolts visual inspection N/A Operation N/A Winch line N/A Operation N/A Operation N/A Operation N/A Operation N/A Winch line N/A Winch line N/A Winch line N/A Winch line N/A Operation N/A Operation N/A Operation N/A Winch line N/A Winch line N/A Winch line N/A Winch line Noturing welds intact, no deformation or cracks) O Dutrigger motion alarm (operation) O Aerial device/outriggers selector valve (operation, no leaks) O Pins and retaining rings in place)  Hoses and tubes (routing in place)  Hoses and tubes (routing in place)  Leveling chain anchor weldment (cap screws and nust tight)  Leveling chain anchor weldment (cap screws and nust tight)  N/A Slip ring (loose mounting bolts)  Rotation bearing and Gearbox  N/A Drive line O Rotation bearing appear teeth condition O Operation (smoothness and noise level) O Check eccentric ring lock bar bolt tightness O Gearbox internal lost motion O Outrigger motion alarm (operation) O Rotation bearing inspection and measurement [after 0.050" (1.27 mm) increased wear from initial measurement]  O Check cylinder for signs of rubbing O Structures (welds intact, no deformation or cracks) O Bearings secure within cylinder eyes O Pins and retainers secure, retaining cap screws tight O Operation O No leaks O Holding valves (operation, no leaks)	Hydra	ulic Reservoir		tight and retaining rings in place)
O No leaks O Drain water from bottom O Change return line filter O Change return line filter O Rotation Bearing and Gearbox N/A Mounting secure N/A Drive line O Rotation Bearing and Gearbox N/A Brake (oil level) O Peration N/A Operation N/A Winch line anchor point  O Check eccentric ring lock bar bolt tightness  O Mounting (welds intact, no deformation or cracks) O Gearbox internal lost motion O Aerial device/outriggers selector valve (operation, no leaks) O Check cylinder for signs of rubbing  O Structures (welds intact, no deformation or cracks) O Pins and retainers secure, retaining cap screws tight O No leaks O Hoses and tubes (routing and condition) O Holding valves (operation, no leaks)	0	Mounting (cap screws tight, welds intact, no cracks)		Lower boom cylinder pivot pin (retainer condition,
Filters  O Change return line filter  O Change return line filter  O Change return line filter  O Rotary joint (loose mounting bolts)  N/A Mounting secure  Rotation Bearing and Gearbox  N/A Drive line  O Rotation bearing cap screws visual inspection  N/A Gearbox (oil level)  O Pinion gear teeth condition  N/A Operation  O Rotation bearing gear teeth condition  N/A Operation  O Rotation bearing gear teeth condition  N/A No leaks  O Gearbox mounting bolts visual inspection  N/A Winch line  O Rotation motor mounting bolts visual inspection  N/A Winch line O Rotation motor mounting bolts tight  N/A Winch line anchor point  O Operation (smoothness and noise level)  Outriggers  O Check eccentric ring lock bar bolt tightness  O Mounting (welds intact, no deformation or cracks)  O Outrigger motion alarm (operation)  O Aerial device/outriggers selector valve (operation, no leaks)  O Outrigger interlock system (operation holding w/o drift)  O Check cylinder for signs of rubbing  O Structures (welds intact, no deformation or cracks)  O Pins and retainers secure, retaining cap screws tight  O No leaks  O Hoses and tubes (routing and condition)  O Holding valves (operation, no leaks)	_0_	No leaks		bolt tight and retaining rings in place)
Filters O Change return line filter O Rotary joint (loose mounting bolts)  N/A Mounting secure Rotation Bearing and Gearbox  N/A Drive line O Rotation bearing and Gearbox  N/A Gearbox (oil level) O Rotation bearing cap screws visual inspection  N/A Drive line O Rotation bearing gear teeth condition  N/A Brake (oil level) O Pinion gear teeth condition  N/A Operation O Rotation bearing gear teeth condition  N/A No leaks O Gearbox mounting bolts visual inspection  N/A Winch line O Rotation motor mounting bolts vigual inspection  N/A Winch line O Rotation motor mounting bolts tight  N/A Winch line anchor point O Operation (smoothness and noise level)  Outriggers O Mounting (welds intact, no deformation or cracks) O Outrigger motion alarm (operation) O Aerial device/outriggers selector valve (operation, no leaks) O Outrigger interlock system (operation holding w/o drift) O Check cylinder for signs of rubbing O Structures (welds intact, no deformation or cracks) O Pins and retainers secure, retaining cap screws tight O No leaks O Hoses and tubes (routing and condition) O Holding valves (operation, no leaks) O Holding valves (operation, no leaks)	0	Shutoff valve fully open	0	Hoses and tubes (routing, condition) no leaks
Chassis Winch N/A Mounting secure N/A Drive line N/A Brake (oil level) N/A Operation N/A Winch line anchor point N/A Winch line anch	0	Drain water from bottom		Leveling chain anchor weldment (cap screws and
Chassis Winch  N/A Mounting secure  N/A Drive line  O Rotation Bearing and Gearbox  N/A Drive line  O Rotation bearing cap screws visual inspection  N/A Gearbox (oil level)  O No leaks  N/A Brake (oil level)  O Pinion gear teeth condition  N/A Operation  O Rotation bearing gear teeth condition  N/A Operation  O Rotation bearing gear teeth condition  N/A No leaks  O Gearbox mounting bolts visual inspection  N/A Winch line  O Rotation motor mounting bolts visual inspection  N/A Winch line anchor point  O Operation (smoothness and noise level)  Outriggers  O Check eccentric ring lock bar bolt tightness  O Mounting (welds intact, no deformation or cracks)  O Outrigger motion alarm (operation)  O Aerial device/outriggers selector valve (operation, no leaks)  O Outrigger interlock system (operation holding w/o drift)  O Check cylinder for signs of rubbing  O Structures (welds intact, no deformation or cracks)  O Pins and retainers secure, retaining cap screws tight  O No leaks  O Holding valves (operation, no leaks)  O Holding valves (operation, no leaks)	Filters			nuts tight)
N/A Drive line N/A Drive line N/A Gearbox (oil level) N/A Brake (oil level) N/A Operation N/A Operation N/A No leaks N/A Winch line N/A Winch line anchor point N/A Winch	0	Change return line filter	0	Rotary joint (loose mounting bolts)
N/A Drive line  N/A Gearbox (oil level)  N/A Brake (oil level)  N/A Operation  N/A Operation  N/A No leaks  O Rotation bearing cap screws visual inspection  N/A No leaks  O Gearbox mounting bolts visual inspection  N/A Winch line  O Rotation motor mounting bolts tight  N/A Winch line anchor point  O Operation (smoothness and noise level)  Outriggers  O Check eccentric ring lock bar bolt tightness  O Mounting (welds intact, no deformation or cracks)  O Outrigger motion alarm (operation)  O Aerial device/outriggers selector valve (operation, no leaks)  O Outrigger interlock system (operation holding w/o drift)  O Check cylinder for signs of rubbing  O Structures (welds intact, no deformation or cracks)  O Pins and retainers secure, retaining cap screws tight  O Holding valves (operation, no leaks)  O Holding valves (operation, no leaks)	Chass	is Winch	N/A	Slip ring (loose mounting bolts)
N/A Brake (oil level)  N/A Brake (oil level)  N/A Operation  N/A Operation  N/A No leaks  O Gearbox mounting gear teeth condition  N/A Winch line  N/A Winch line  O Operation (smoothness and noise level)  Outriggers  O Mounting (welds intact, no deformation or cracks)  O Mourrigger motion alarm (operation)  O Aerial device/outriggers selector valve (operation, no leaks)  O Outrigger interlock system (operation holding w/o drift)  O Check cylinder for signs of rubbing  O Structures (welds intact, no deformation or cracks)  O Rotation bearing inspection and measurement [after 0.050" (1.27 mm) increased wear from initial measurement]²  Lower Boom Cylinder  O Structures (welds intact, no deformation or cracks)  O Pins and retainers secure, retaining cap screws tight  O No leaks  O Hoses and tubes (routing and condition)  O Holding valves (operation, no leaks)	N/A	Mounting secure	Rotati	on Bearing and Gearbox
N/A Brake (oil level)  N/A Operation  N/A Operation  O Rotation bearing gear teeth condition  N/A No leaks  O Gearbox mounting bolts visual inspection  N/A Winch line  O Rotation motor mounting bolts tight  N/A Winch line anchor point  O Operation (smoothness and noise level)  Outriggers  O Check eccentric ring lock bar bolt tightness  O Mounting (welds intact, no deformation or cracks)  O Outrigger motion alarm (operation)  O Aerial device/outriggers selector valve (operation, no leaks)  O Outrigger interlock system (operation holding w/o drift)  O Check cylinder for signs of rubbing  O Structures (welds intact, no deformation or cracks)  O Pins and retainers secure, retaining cap screws tight  O No leaks  O Hoses and tubes (routing and condition)  Pinion gear teeth condition  Rotation bearing gear teeth condition  O Check eccentric ring lock bar bolt tightness  O Gearbox internal lost motion  Rotation bearing inspection and measurement [after  0.050" (1.27 mm) increased wear from initial measurement] <sup>2</sup> D Structures (welds intact, no deformation or cracks)  O Bearings secure within cylinder eyes  O Operation  O No leaks  O Holding valves (operation, no leaks)	N/A	Drive line	0	Rotation bearing cap screws visual inspection
N/A Operation O Rotation bearing gear teeth condition N/A No leaks O Gearbox mounting bolts visual inspection N/A Winch line O Rotation motor mounting bolts tight Operation (smoothness and noise level) Outriggers O Check eccentric ring lock bar bolt tightness O Mounting (welds intact, no deformation or cracks) O Outrigger motion alarm (operation) O Aerial device/outriggers selector valve (operation, no leaks) O Outrigger interlock system (operation holding w/o drift) O Check cylinder for signs of rubbing O Structures (welds intact, no deformation or cracks) O Pins and retainers secure, retaining cap screws tight O No leaks O Hoses and tubes (routing and condition) O Rotation bearing inspection and measurement [after 0.050" (1.27 mm) increased wear from initial measurement]²  Comparation O Dearation O Dearation O Rotation bearing gear teeth condition	N/A	Gearbox (oil level)	0	No leaks
N/A No leaks  N/A Winch line  O Rotation motor mounting bolts visual inspection  N/A Winch line anchor point  O Operation (smoothness and noise level)  Outriggers  O Check eccentric ring lock bar bolt tightness  O Mounting (welds intact, no deformation or cracks)  O Outrigger motion alarm (operation)  O Aerial device/outriggers selector valve (operation, no leaks)  O Outrigger interlock system (operation holding w/o drift)  O Check cylinder for signs of rubbing  O Structures (welds intact, no deformation or cracks)  O Pins and retainers secure, retaining cap screws tight  O No leaks  O Hoses and tubes (routing and condition)  O Gearbox mounting bolts visual inspection  Rotation motor mounting bolts visual inspection  O Check eccentric ring lock bar bolt tightness  O Gearbox internal lost motion  O Rotation bearing inspection and measurement [after 0.050" (1.27 mm) increased wear from initial measurement]²  D Lower Boom Cylinder  O Operation  O No leaks  O Holding valves (operation, no leaks)	N/A	Brake (oil level)	0	Pinion gear teeth condition
N/A Winch line  N/A Winch line anchor point  O Operation (smoothness and noise level)  Outriggers  O Mounting (welds intact, no deformation or cracks)  O Mourigger motion alarm (operation)  O Aerial device/outriggers selector valve (operation, no leaks)  O Outrigger interlock system (operation holding w/o drift)  O Check cylinder for signs of rubbing  O Structures (welds intact, no deformation or cracks)  O Pins and retainers secure, retaining cap screws tight  O Hoses and tubes (routing and condition)  O Rotation bearing inspection and measurement [after 0.050" (1.27 mm) increased wear from initial measurement]²  Lower Boom Cylinder  O Operation  O No leaks  O Holding valves (operation, no leaks)	N/A	Operation	0	Rotation bearing gear teeth condition
N/A Winch line anchor point  Outriggers  O Mounting (welds intact, no deformation or cracks) O Mounting (welds intact, no deformation or cracks) O Aerial device/outriggers selector valve (operation, no leaks) O Outrigger interlock system (operation holding w/o drift) O Check cylinder for signs of rubbing O Structures (welds intact, no deformation or cracks) O Pins and retainers secure, retaining cap screws tight O Hoses and tubes (routing and condition) O Operation (smoothness and noise level) O Check eccentric ring lock bar bolt tightness O Gearbox internal lost motion O Rotation bearing inspection and measurement [after 0.050" (1.27 mm) increased wear from initial measurement]² C Ower Boom Cylinder O Bearings secure within cylinder eyes O Pins and retainers secure, retaining cap screws tight O Operation O No leaks O Holding valves (operation, no leaks)	N/A	No leaks	0	Gearbox mounting bolts visual inspection
Outrigger motion alarm (operation) Outrigger motion alarm (operation) Outrigger interlock system (operation holding w/o drift) Outrigger interlock system (operation or cracks) Outrigger interlock system (operation holding w/o drift) Outrigger interlock system (operation no leaks) Outrigger interlock system (operation holding w/o drift) Check cylinder for signs of rubbing Outrigger interlock system (operation holding w/o drift) Check cylinder for signs of rubbing Outrigger interlock system (operation holding w/o drift) Check cylinder for signs of rubbing Outrigger interlock system (operation holding w/o drift) Check cylinder for signs of rubbing Outrigger interlock system (operation holding w/o drift) Check cylinder for signs of rubbing Check cylinder for signs of rubbing Outrigger interlock system (operation holding w/o drift) Check cylinder for signs of rubbing Check cylinder Check cylinder for signs of rubbing Check cylinder for signs of rubbing Check cylinder Check c	N/A	Winch line	0	Rotation motor mounting bolts tight
O Mounting (welds intact, no deformation or cracks) O Outrigger motion alarm (operation) O Aerial device/outriggers selector valve (operation, no leaks) O Outrigger interlock system (operation holding w/o drift) O Check cylinder for signs of rubbing O Structures (welds intact, no deformation or cracks) O Pins and retainers secure, retaining cap screws tight O No leaks O Hoses and tubes (routing and condition) O Gearbox internal lost motion O Rotation bearing inspection and measurement [after 0.050" (1.27 mm) increased wear from initial measurement]²  O Check cylinder for signs of rubbing C Bearings secure within cylinder eyes O Operation O No leaks O No leaks O Holding valves (operation, no leaks)	N/A	Winch line anchor point	0	Operation (smoothness and noise level)
O Outrigger motion alarm (operation) O Aerial device/outriggers selector valve (operation, no leaks) O Outrigger interlock system (operation holding w/o drift) O Check cylinder for signs of rubbing O Structures (welds intact, no deformation or cracks) O Pins and retainers secure, retaining cap screws tight O No leaks O Hoses and tubes (routing and condition)  O Rotation bearing inspection and measurement [after 0.050" (1.27 mm) increased wear from initial measurement]²  D Lower Boom Cylinder O Bearings secure within cylinder eyes O Operation O Holding valves (operation, no leaks)	Outrig	gers	0	Check eccentric ring lock bar bolt tightness
O Aerial device/outriggers selector valve (operation, no leaks) O Outrigger interlock system (operation holding w/o drift) O Check cylinder for signs of rubbing O Structures (welds intact, no deformation or cracks) O Pins and retainers secure, retaining cap screws tight O No leaks O Hoses and tubes (routing and condition)  O No leaks O Holding valves (operation, no leaks)	0	Mounting (welds intact, no deformation or cracks)	0	Gearbox internal lost motion
O Outrigger interlock system (operation holding w/o drift)  O Check cylinder for signs of rubbing  O Structures (welds intact, no deformation or cracks)  O Pins and retainers secure, retaining cap screws tight  O No leaks  O Hoses and tubes (routing and condition)  measurement]²  Demander  Deman	0	Outrigger motion alarm (operation)	0	Rotation bearing inspection and measurement [after
O Check cylinder for signs of rubbing  O Structures (welds intact, no deformation or cracks) O Pins and retainers secure, retaining cap screws tight O No leaks O Hoses and tubes (routing and condition)  Lower Boom Cylinder  O Bearings secure within cylinder eyes O Operation O No leaks O Holding valves (operation, no leaks)	0	Aerial device/outriggers selector valve (operation, no leaks)		0.050" (1.27 mm) increased wear from initial
O Structures (welds intact, no deformation or cracks) O Pins and retainers secure, retaining cap screws tight O No leaks O Hoses and tubes (routing and condition) O Structures (welds intact, no deformation or cracks) O Operation O No leaks O Holding valves (operation, no leaks)	0	Outrigger interlock system (operation holding w/o drift)		measurement] <sup>2</sup>
O Pins and retainers secure, retaining cap screws tight O Operation O No leaks O No leaks O Hoses and tubes (routing and condition) O Holding valves (operation, no leaks)	0	Check cylinder for signs of rubbing	Lower	Boom Cylinder
O No leaks O Hoses and tubes (routing and condition) O No leaks O Holding valves (operation, no leaks)	0	Structures (welds intact, no deformation or cracks)	0	Bearings secure within cylinder eyes
O Hoses and tubes (routing and condition) O Holding valves (operation, no leaks)	0	Pins and retainers secure, retaining cap screws tight	0	Operation
	0	No leaks	0	No leaks
O Placards (condition, readable) O Chromed rod condition	0	Hoses and tubes (routing and condition)	0	Holding valves (operation, no leaks)
	0	Placards (condition, readable)	0	Chromed rod condition

Lower	Boom	R	Upper boom stow pad (condition, in place)
0	Structure (welds intact, no deformation or cracks)		Boom tip weldment (welds intact, no deformation
	Lower cylinder pivot pin (retainer condition, bolt tight	0	or cracks)
0	and retaining rings in place)	0	Visually inspect the boom tip fasteners for tightness
0	Visually inspect leveling chains/rods	Ō	Lanyard attachment welds
	Visually inspect jam nuts on leveling chain turnbuckles		Loose boom tip sprocket
0	(in place, tight)	Paralle	el Links and Elevator Arms (LR760E70 units)
0	Remove any debris from inside lower boom	N/A	Structure (welds intact, no deformation or cracks)
0	Covers in place	N/A	Pivot pins (retainer condition, no deformation)
0	Insulator fasteners tight	Elevat	or Pedestals
0	Lower boom cylinder pivot pins	N/A	Wear pads (condition, mounting)
0	Slide pad bearings (loose cap screws)	Boom	Tip
0	Lower boom pin	0	Platform pin
N/A	Extension cylinder mounting (loose cap screws)	N/A	Hydraulic leveling cylinder (operation, mounting)
N/A	Lower platform leveling cylinder mounting pins	0	Boom tip weldment (welds intact, no deformation
N/A	Boom slide blocks (cap screws tight, wear)		or cracks)
Upper	Boom Cylinders	Platfo	m
0	Cylinder attachment pins (retainer condition, bolts	0	Mounting bracket (welds intact, no deformation or cracks)
	tight with retaining rings in place)	0	Mounting bracket covers (condition, mounting)
0	Bearings secure within cylinder eyes (base end)	0	Platform mounting bolts tight
0	Operation	0	Lanyard attachment welds
0	No leaks	R	Platform (condition, cleanliness)
0	Holding valves (operation, no leaks)	N/A	Platform angle (leveling system tension correct)
0	Chromed rod condition	R	Liner (condition, cleanliness)
0	Pin retainers secure	N/A	Platform liner retention system (condition, in place)
Elbow		R	Placards (condition, in place, readable)
0	Measure upper boom drive link bearing wear	R	Platform cover (condition, mounting)
_0_	Elbow cover (in place, condition)	R	Platform control cover (condition, mounting)
0	Upper boom drive mechanism link pins (retaining rings	R	Valve cover (condition, mounting)
	in place, bolts tight, welds intact on flanges)	0	Hoses (no leaks, routing, not pinched or pulled)
0	Elbow bearing visual inspection	0	Fall protection system (condition, in place)
0	Elbow leveling chain sprocket (retaining ring and key	N/A	Platform accessory mounting brackets, i.e. saw or
	in place, socket head cap screws tight)		pruner (condition, mounting)
9	Leveling system pivot tube (cap screws tight)		m Rotator
O	Elbow pivot pin (retainer condition, cap screw secure)	N/A	Operation No locks
Upper O	Structure (welds intact, no deformation or cracks)		No leaks
	Fiberglass condition (clean, undamaged)		Fasteners (check for tightness)
~	Visually inspect jam nuts on leveling chain turnbuckle		Rotary actuator (inner/outer cap screws in place and tight)
0	for tightness		m Tilt System No leaks
0	Visually inspect leveling chains/rods		Operation
	Hose assembly (routings, condition)	N/A	Tilt bracket (welds intact, deformation or cracks)
	No leaks	N/A	Tilt bracket (weids intact, delormation of cracks)
	All covers in place		Controls Station
	Upper boom stow lock down strap (condition, all parts	0	Operation (metering, proper direction)
0	in place, lock works)	R	Operation placard (condition, readable)
	p.ace; ren reno/	1.	operation placera (continue, readable)

O Mechanical linkage (operation, lubrication) O Operation O Hydraulic emergency stop (operation) N/A Hose reel operation O Interlock linkage (adjustment) Lubrication O Rubber boot O Control handle linkage O Quick disconnects (condition, operation, no leaks) O Leveling chains R Quick disconnect dust caps (condition, in place) O Rotation gearbox output shaft upper bearing  Required Maintenance (Regardless of Hours)  Annual Testing N/A Dielectric test unit located in cab, with the chassis running and the PTO engaged; visually inspect temperature sensors and lead wires for damage O Confirmation test of single handle control(s) N/A Atmospheric vents (visually inspect all, verify operation)  Tipon PTO Hours/1 Year  Chassis Underside R Placards (condition and readable) O Hoses (routing, condition, no leaks) Pedestal O Exhaust shields O Rotary joint mounting bolts tight Hydraulic Reservoir and System Lower Boom O Drain water from bottom of reservoir O Insulator fasteners tight O Clean suction filter element O Reservoir cover gasket (condition) O Clean or change filler hole strainer O Clean or change filler hole strainer O Cap screw annual torque inspection O Cap screw annual torque in	0	No leaks	0	Hoses (condition, routing, no leaks)	
O Hydraulic emergency stop (operation)			— <u> </u>		
Description   Control handle linkage (adjustment)   Control handle linkage					
O Rubber boot  Tool Circuits O Quick disconnects (condition, operation, no leaks) R Quick disconnect dust caps (condition, in place)  Required Maintenance (Regardless, of Hours)  Annual Testing O Dielectric test unit Dielectric test platform liner(s) O Confirmation test of single handle control(s) N/A Atmospheric vents (visually inspect all, verify operation)  Chassis Underside O Exhaust shields O Exhaust shields O Drain water from bottom of reservoir O Colean suction filter element O Reservoir cover gasket (condition) O C Clean or change filler breather cap O C Cap screw annual torque inspection O C Cap screw annual torque inspection O C Despective in the chassis unit gauge or with measurement (before 0.050" (1.27 mm) increased wear from initial measurement) O Mounting to upper boom secure Upper Boom Tip O Mounting to upper boom secure Upper Hours/1 Year  Clean suction filter element O Clean suction bearing inspection and measurement (before 0.050" (1.27 mm) increased wear from initial measurement) O Rotation bearing inspection and measurement (before 0.050" (1.27 mm) increased wear from initial measurement) O Hoses and tubes (routing, condition)  Perform the 1,000 hour/1 year inspection Hydraulic Reservoir and System Chasge hydraulic oil Filiush hydraulic system Change hydraulic oil Filiush hydraulic system Charles and Charles and System Charles and System Charles and	0		+		
Tool Circuits  O Quick disconnects (condition, operation, no leaks) O Leveling chains  Required Maintenance (Regardless of Hours)  Annual Testing O Dielectric test unit Required Maintenance (Regardless of Hours)  Annual Testing O Dielectric test unit Riccinciality (if equipped) by activating test switch located in cab, with the chassis running and the PTO engaged, visually inspect all, verify operation)  C Confirmation test of single handle control(s) N/A Atmospheric vents (visually inspect all, verify operation)  C Hoses (routing, condition, no leaks) Pedestal  C Exhaust shields P R Placards (condition and readable) Pedestal  C Exhaust shields P R Placards (condition and readable) Pedestal  C Porting the mounting bolts tight Pydraulic Reservoir and System  C D Drain water from bottom of reservoir O Drain water from bottom of reservoir O Clean suction filter element O Reservoir cover gasket (condition) N/A Change filler breather cap C Clean or change filler hole strainer Rotation Bearing O Cap crew annual torque inspection Flooring Boom Tip O Mounting to upper boom secure  Upper Boom Tip O Mounting to upper boom secure  Upper Boom Tip O Mounting to upper boom secure  Upper Boom Tip O Mounting to upper boom secure  Upper Boom Tip O Hoses and tubes (routing, condition)  Perform the 1,000 hour/1 year inspection  Plouse Flooring and Gearbox Plouse Proveruit Contain bearing gear backlash Flush hydraulic system  C Clean suction filter Pinch to rotation bearing gear backlash Flush hydraulic system  Pinch to rotation bearing gear backlash	0		<del></del>		
O Cluick disconnects (condition, operation, no leaks)  R Quick disconnect dust caps (condition, in place)  Required Maintenance (Regardless of Hours)  Annual Testing O Dielectric test unit R Dielectric test platform liner(s) O Confirmation test of single handle control(s) N/A Atmospheric vents (visually inspect all, verify operation)  Test nydraulic temperature indicator system functionality (if equipped) by activating test switch located in cab, with the chassis running and the PTO engaged; visually inspect temperature sensors and lead wires for damage  Theses (routing, condition, no leaks) Pedestal O Exhaust shields O Rotary joint mounting bolts tight  Hydraulic Reservoir and System Dirain water from bottom of reservoir O Clean suction filter element O Reservoir cover gasket (condition)  N/A Change filler breather cap O Clean or change filler hole strainer O Clean or change filler hole strainer O Cap screw annual torque inspection Rotation Bearing O Clear or dange filler hole strainer O Rotation bearing inspection and measurement [before 0.050" (1.27 mm) increased wear from initial measurement) <sup>2</sup> Upper Boom Tip O Mounting to upper boom secure  Upper Controls O Hoses and tubes (routing, condition)  2,000 PTO Hours/2 Years Clean suction filter Perform the 1,000 hour/1 year inspection Change hydraulic oil Perform the 1,000 hour/1 year inspection Pinus to rotation bearing gear backlash Change hydraulic oil Pinus hydraulic oil	Tool C	Pircuits			
Required Maintenance (Regardless of Hours)  Required Maintenance (Regardless of Hours)  Annual Testing O Dielectric test unit C Dielectric test platform liner(s) O Confirmation test of single handle control(s) N/A Atmospheric vents (visually inspect all, verify operation)  Test hydraulic Reservoir and System O Dian water from bottom of reservoir O Clean suction filter element O Clean or change filler hole strainer O Clean or change filler hole strainer O Cleas or Serva annual torque inspection O Claps crew annual torque inspection O Claps and tubes (routing, condition) O Mounting to upper boom secure Upper Controls O Hoses and tubes (routing, condition)  Perform the 1,000 hour/1 year inspection Pinus hydraulic Reservoir and System C Rotation bearing output shaft upper bearing  N/A Cledect unit and function filter element O Clean suction filter element O Clean suction filter perment O Clean or change filler hole strainer O Clean or change filler hole strainer O Clean or change filler perment (before 0.050° (1.27 mm) increased wear from initial measurement) <sup>2</sup> Upper Boom Tip O Mounting to upper boom secure  Upper Controls O Hoses and tubes (routing, condition)  Perform the 1,000 hour/1 year inspection C Clange hydraulic Reservoir and System C Clange hydraulic coil Pinus to rotation bearing gear backlash C Pinus to rotation bearing gear backlash	0	Quick disconnects (condition, operation, no leaks)	<del>                                     </del>		
Annual Testing O Dielectric test unit R Dielectric test platform liner(s) O Confirmation test of single handle control(s) N/A Atmospheric vents (visually inspect all, verify operation)  T 1,000 PTO Hours/1 Year  Chassis Underside R Placards (condition and readable) O Hoses (routing, condition, no leaks) O Exhaust shields O Drain water from bottom of reservoir N/A Collect oil sample for analysis¹ O Clean suction filter element O Clean or change filler breather cap O Cop Screw annual torque inspection O Rotation bearing inspection and measurement [before 0.050° (1.27 mm) increased wear from initial measurement)² O Mounting to upper boom secure Upper Controls O Hoses and tubes (routing, condition) Perform the 1,000 hour/1 year inspection Change hydraulic oil Flush hydraulic Reservoir and System Change hydraulic oil Change hydraulic oil Flush hydraulic system  N/A Collect oil sample for analysis¹ Company to the change in the chassis running and the PTO engaged, visually inspect temperature indicator system functionally (if equipped) by activating test switch located in cab, with the chassis running and the PTO engaged, visually inspect temperature indicator system functionally (if equipped) by activating test switch located in cab, with the chassis running and the PTO engaged, visually inspect temperature sensors and lead wires for damage engaged, visually inspect temperature sensors and engaged, visually inspect temperature sensors and engaged, visually inspect temperature sensors and elements of capacity in pect temperature indicator system functionally (if equipped) by activating test switch located in cab, with the chassis running and the PTO engaged, visually inspect temperature sensors and elements of capacity inspect temperature engaged visually inspect temperature engaged, visually inspect temperature engaged visually inspect temperature engaged, visually inspect temperature engaged, visually in	R		<del></del>		
Annual Testing O Dielectric test unit R Dielectric test platform liner(s) O Confirmation test of single handle control(s) N/A Itmospheric vents (visually inspect all, verify operation)  Tigoto PTO Hours/1 Year  Chassis Underside R Placards (condition and readable) Pedestal O Rotatron Bearing O Clean or change filler bole strainer Rotation Bearing O Cap screw annual torque inspection O Rotatron bearing inspection and measurement [before 0.050" (1.27 mm) increased wear from initial measurement)?  Upper Boom Tip O Mounting to upper boom secure Upper Controls O Hoses and tubes (routing, condition) Change hydraulic oil Perform the 1,000 hour/1 year inspection Change hydraulic oil Flush hydraulic Reservoir and System Change hydraulic oil Perform the 1,000 hour/1 year inspection Change hydraulic oil Pinion to rotation bearing gear backlash Pinion to rotation bearing gear backlash Pinion to rotation bearing agear backlash Pinion to rotation bearing agear backlash Lubrication Pinion to rotation bearing agear backlash Pinion to rotation bearing agear backlash Pinion to rotation bearing agear backlash Lubrication				4	
Dielectric test unit R Dielectric test platform liner(s) O Confirmation test of single handle control(s) N/A Atmospheric vents (visually inspect all, verify operation)  1,000 PTO Hours/1 Year  1,000 PTO Hours/1 Year  Chassis Underside R Placards (condition and readable) O Hoses (routing, condition, no leaks) O Exhaust shields O Drain water from bottom of reservoir O Drain water from bottom of reservoir O Clean suction filter element O Reservoir cover gasket (condition) N/A Change filler breather cap O Clean or change filler hole strainer Rotation Bearing O Cap screw annual torque inspection Rotation bearing inspection and measurement [Defore 0.050" (1.27 mm) increased wear from initial measurement)² O Mounting to upper boom secure Upper Controls O Hoses and tubes (routing, condition) Perform the 1,000 hour/1 year inspection Pilus hydraulic system  Flush hydraulic system  functionality (if equipped) by activating test switch located in cab, with the chassis running and the PTO leaded in cab, with the chassis running and the PTO elagade; visually inspect temperature sensors and lead wires for damage  lead wires for damage lead w	Annua		when a committee of	The American Application of Committee of Committee of the American Application of the	
Robin   Dielectric test platform liner(s)   Confirmation test of single handle control(s)   Atmospheric vents (visually inspect all, verify operation)   Interest	0	Dielectric test unit	' ''' '	1	
O Confirmation test of single handle control(s)  N/A Atmospheric vents (visually inspect all, verify operation)  1;000 PTO Hours/1 Year  Chassis Underside  R Placards (condition and readable)  O Hoses (routing, condition, no leaks)  O Exhaust shields  O Exhaust shields  O Insulator fasteners tight  Collect oil sample for analysis'  O Clean suction filter element  O Reservoir cover gasket (condition)  N/A Change filler breather cap  O Clean or change filler hole strainer  Rotation Bearing  O Rotation bearing inspection and measurement [before 0.050" (1.27 mm) increased wear from initial measurement]²  Upper Boom Tip  O Mounting to upper boom secure  Perform the 1,000 hour/1 year inspection  Pindraulic Reservoir and System  Perform the 1,000 hour/1 year inspection  Change hydraulic oil  Pinion to rotation bearing gear backlash  Pinion to rotation bearing gear backlash  Lower Boom  Rotation gearbox mounting cap screw annual torque inspection  O Insulator fasteners tight  Rotation gearbox mounting cap screw annual torque inspection  Pupper boom drive link bearings (use link gauge or with pin-to-pin measurement)  Upper boom drive link bearings (use link gauge or with pin-to-pin measurement)  Piberglass  R Seal between insert and steel tubes  R Insert is clean and waxed  O Insert bond  O Insert bond  O Seal between upper boom and steel tube  Structures  Perform the 1,000 hour/1 year inspection  Pinion to rotation bearing gear backlash	R	Dielectric test platform liner(s)	1	1	
N/A   Atmospheric vents (visually inspect all, verify operation   lead wires for damage	0		1	_	
Chassis Underside   R   Placards (condition and readable)	N/A		1	l	
Chassis Underside         R         Placards (condition and readable)           O         Hoses (routing, condition, no leaks)         Pedestal           O         Exhaust shields         O         Rotary joint mounting bolts tight           Hydraulic Reservoir and System         Lower Boom           O         Drain water from bottom of reservoir         O         Insulator fasteners tight           N/A         Collect oil sample for analysis¹         Gearbox           O         Clean suction filter element         O         Rotation gearbox mounting cap screw annual torque inspection           O         Reservoir cover gasket (condition)         Elbow           O         Clean or change filler hole strainer         Upper boom drive link bearings (use link gauge or with pin-to-pin measurement)           O         Clean or change filler hole strainer         O         Upper boom drive link bearings (use link gauge or with pin-to-pin measurement)           O         Cap screw annual torque inspection         Fiberglass           R         Seal between insert and steel tubes           R         Reserval insert is clean and waxed           Insert is clean and waxed         Insert bond           Upper Boom Tip         O         Seal between upper boom and steel tube           Upper Controls         O         Hall structures and	The second secon				
O Hoses (routing, condition, no leaks) O Exhaust shields O Exhaust shields O Rotary joint mounting bolts tight  Hydraulic Reservoir and System O Drain water from bottom of reservoir O Insulator fasteners tight  N/A Collect oil sample for analysis¹ O Clean suction filter element O Reservoir cover gasket (condition)  N/A Change filler breather cap O Clean or change filler hole strainer  O Cap screw annual torque inspection  Fiberglass O Rotation bearing inspection and measurement [before 0.050" (1.27 mm) increased wear from initial measurement)²  Upper Boom Tip O Mounting to upper boom secure  Upper Controls O Hoses and tubes (routing, condition)  Perform the 1,000 hour/1 year inspection  Change hydraulic oil Fiush hydraulic system  Perfoation bearing and Gearbox  Change hydraulic oil Finsh hydraulic system  Perfoation Bearing and Gearbox  Pinsultation  Pastation pounting to upper backlash  Lubrication  Rotation Bearing and Gearbox  Pinion to rotation bearing gear backlash  Lubrication				The state of the s	
Description	0	Hoses (routing, condition, no leaks)	<del></del>	<u> </u>	
Hydraulic Reservoir and System			0	Rotary joint mounting bolts tight	
N/A Collect oil sample for analysis¹ O Clean suction filter element O Reservoir cover gasket (condition)  N/A Change filler breather cap Clean or change filler hole strainer  Rotation Bearing O Cap screw annual torque inspection  Rotation bearing inspection and measurement [before 0.050" (1.27 mm) increased wear from initial measurement)²  Upper Boom Tip O Mounting to upper boom secure  Upper Controls O Hoses and tubes (routing, condition)  Perform the 1,000 hour/1 year inspection  Change hydraulic oil Filler breather cap  Clean suction gearbox mounting cap screw annual torque inspection  Upper boom drive link bearings (use link gauge or with pin-to-pin measurement)  Clepper Boom Tip Seal between insert and steel tubes  R Insert is clean and waxed  Insert bond  O Insert bond  All structures and welds included on 500 hour/6 month checklist (no significant corrosion)  Clean suction filter  Rotation Bearing and Gearbox  Pinion to rotation bearing gear backlash  Flush hydraulic system  Lubrication	Hydraulic Reservoir and System				
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O Reservoir cover gasket (condition)  N/A Change filler breather cap  O Clean or change filler hole strainer  Rotation Bearing  O Cap screw annual torque inspection  O Rotation bearing inspection and measurement [before 0.050" (1.27 mm) increased wear from initial measurement]²  Upper Boom Tip  O Mounting to upper boom secure  Upper Controls  O Hoses and tubes (routing, condition)  Perform the 1,000 hour/1 year inspection  Change hydraulic oil  Change hydraulic system  Elbow  Upper boom drive link bearings (use link gauge or with pin-to-pin measurement)  R Upper boom drive link bearings (use link gauge or with pin-to-pin measurement)  R Seal between insert and steel tubes  R Insert is clean and waxed  O Insert bond  O Seal between upper boom and steel tube  Structures  All structures and welds included on 500 hour/6 month checklist (no significant corrosion)  Clean suction filter  Rotation Bearing and Gearbox  Pinion to rotation bearing gear backlash  Flush hydraulic system  Lubrication	N/A	Collect oil sample for analysis¹	Gearb		
O Reservoir cover gasket (condition)  N/A Change filler breather cap  O Clean or change filler hole strainer  Rotation Bearing  O Cap screw annual torque inspection  Rotation bearing inspection and measurement [before 0.050" (1.27 mm) increased wear from initial measurement]²  Upper Boom Tip  O Mounting to upper boom secure  Upper Controls  O Hoses and tubes (routing, condition)  Perform the 1,000 hour/1 year inspection  Perform the 1,000 hour/1 year inspection  Change hydraulic oil  Change hydraulic system  Upper boom drive link bearings (use link gauge or with pin-to-pin measurement)  Piberglass  R Seal between insert and steel tubes  R Insert is clean and waxed  O Insert bond  O Seal between upper boom and steel tube  Structures  All structures and welds included on 500 hour/6 month checklist (no significant corrosion)  Clean suction filter  Rotation  Pinion to rotation bearing gear backlash  Lubrication	0	Clean suction filter element	^	Rotation gearbox mounting cap screw annual	
O Clean or change filler hole strainer  Rotation Bearing O Cap screw annual torque inspection Fiberglass O Rotation bearing inspection and measurement [before 0.050" (1.27 mm) increased wear from initial measurement]²  Upper Boom Tip O Mounting to upper boom secure  Upper Controls O Hoses and tubes (routing, condition)  Perform the 1,000 hour/1 year inspection  Perform the 1,000 hour/1 year inspection  Hydraulic Reservoir and System Change hydraulic oil Fiberglass R Seal between insert and steel tubes R Insert is clean and waxed O Insert bond O Insert bond O Seal between upper boom and steel tube Structures All structures and welds included on 500 hour/6 month checklist (no significant corrosion)  Clean suction filter Rotation Bearing and Gearbox Pinion to rotation bearing gear backlash Flush hydraulic system  Lubrication	0	Reservoir cover gasket (condition)			
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O Rotation bearing inspection and measurement [before 0.050" (1.27 mm) increased wear from initial measurement]²  Upper Boom Tip  O Mounting to upper boom secure  Upper Controls O Hoses and tubes (routing, condition)  Perform the 1,000 hour/1 year inspection  Perform the 1,000 hour/1 year inspection  Change hydraulic oil Flush hydraulic system  Reservoir and steel tubes R Insert is clean and waxed O Insert bond R Insert bond All structures and welds included on 500 hour/6 month checklist (no significant corrosion)  Clean suction filter Pinion to rotation bearing gear backlash Cubrication	Rotatio	on Bearing	0		
0.050" (1.27 mm) increased wear from initial measurement]2	0	Cap screw annual torque inspection	Fiberg	lass	
measurement]²	0	Rotation bearing inspection and measurement [before	R	Seal between insert and steel tubes	
Upper Boom Tip O Mounting to upper boom secure  Upper Controls O Hoses and tubes (routing, condition)  2,000 PTO Hours/2 Years  Perform the 1,000 hour/1 year inspection  Phydraulic Reservoir and System  Change hydraulic oil Flush hydraulic system  O Seal between upper boom and steel tube  Structures  All structures and welds included on 500 hour/6 month checklist (no significant corrosion)  Chean suction filter  Rotation Bearing and Gearbox  Pinion to rotation bearing gear backlash  Lubrication		0.050" (1.27 mm) increased wear from initial	R	Insert is clean and waxed	
O Mounting to upper boom secure  Upper Controls O Hoses and tubes (routing, condition)  All structures and welds included on 500 hour/6 month checklist (no significant corrosion)  2,000 PTO Hours/2 Years  Perform the 1,000 hour/1 year inspection  Phydraulic Reservoir and System Change hydraulic oil Pinion to rotation bearing gear backlash Flush hydraulic system  Lubrication		measurement] <sup>2</sup>	0	Insert bond	
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O Hoses and tubes (routing, condition)  Checklist (no significant corrosion)  2,000 PTO Hours/2 Years  Perform the 1,000 hour/1 year inspection  Clean suction filter  Hydraulic Reservoir and System  Rotation Bearing and Gearbox  Change hydraulic oil  Pinion to rotation bearing gear backlash  Flush hydraulic system  Lubrication	0	Mounting to upper boom secure	Struct	ıres	
Checklist (no significant corrosion)  2,000 PTO Hours/2 Years  Perform the 1,000 hour/1 year inspection  Clean suction filter  Hydraulic Reservoir and System  Change hydraulic oil  Pinion to rotation bearing gear backlash  Flush hydraulic system  Lubrication	Upper	Controls	)	All structures and welds included on 500 hour/6 month	
Perform the 1,000 hour/1 year inspection  Hydraulic Reservoir and System  Change hydraulic oil  Flush hydraulic system  Clean suction filter  Rotation Bearing and Gearbox  Pinion to rotation bearing gear backlash  Lubrication	O Hoses and tubes (routing, condition)			checklist (no significant corrosion)	
Hydraulic Reservoir and System  Change hydraulic oil  Flush hydraulic system  Rotation Bearing and Gearbox  Pinion to rotation bearing gear backlash  Lubrication	#	2,000 PT© H	ours/2	Years	
Change hydraulic oil Pinion to rotation bearing gear backlash Flush hydraulic system Lubrication		Perform the 1,000 hour/1 year inspection		Clean suction filter	
Flush hydraulic system Lubrication	Hydrau	ılic Reservoir and System	Rotatio	n Bearing and Gearbox	
		Change hydraulic oil		Pinion to rotation bearing gear backlash	
Clean inside of reservoir Pump input shaft splines		Flush hydraulic system	Lubrica	ation	
		Clean inside of reservoir		Pump input shaft splines	

<sup>1</sup> 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.

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.

Deficiency Report  $SR\# \frac{6419650}{Serial\#} \frac{0815FF4208}{Serial\#} \frac{0815FF4208}{Serial\#} \frac{O815FF4208}{Serial\#} \frac$ 

Item#	Def. Type <sup>1</sup>		Deficiency Description	Troubleshoot	Replace	Repair	Est. Hrs
1	D <sub>S</sub>		Left rear strobe n/w - Replace strobe or repair wiring as required after troubleshooting REPAIRS COMPLETED	T.S	<b>.</b>	•	0.5
2	sZ <sub>D</sub>		Forestry cover loose, reattach			•	2.0
3	D <sub>S</sub>		****SAFETY**** Repair the seal between the lower boom fiberglass and the metal section REPAIRS COMPLETED	Re	pair	-	3.0
4	D <sub>S</sub>		NOTE- Liner edge broken, cannot test- SUGGEST REPLACING LINER ON ORDER	Re	plac		0
5	D <sub>S</sub>		Missing placards at platform	Re	plac		1.0
6	MS T		Dust caps for the tool circuit missing	Re	plac		0.3
7	NS -		Debris in the pedestal and upper controls - remove  COMPLETED	Re	pair	•	0.5
8	D NS		Adjust the dump box prop rod, out of alignment  COMPLETED	Re	pair	•	1.0
9	D D		Lower boom rest bracket broken- 070118060	Re	plac	•	0.5
10	NS V	-	All box access door strikers loose and misaligned  D/side door cotter pin missing	Re	oair	•	2.0
11	D D		**** SAFETY ITEM**** PTO and pump require replacement - leak and worn mating splines  REPAIRED	Re	plac	-	6.0
12	D <sub>S</sub>		Dump box frame rail bent - repair  REPAIRED	Re	oair	•	4.0

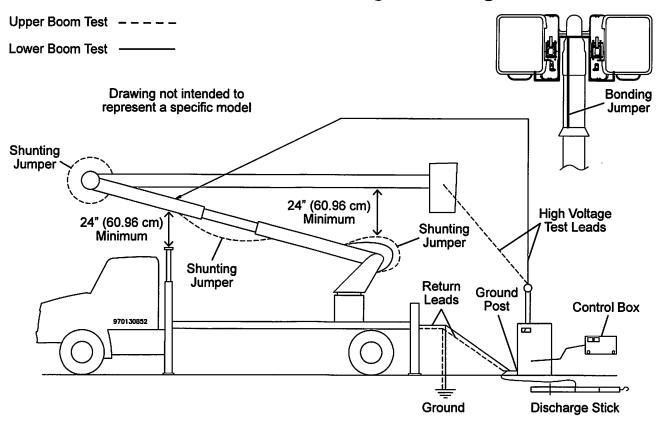
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	port

**SR**#<u>6419650</u> \_\_\_\_\_Serial# 0815FF4208

FF4208 Page 2 of 2

Item#	Def. Type <sup>1</sup>	Deficiency Description	Troubleshoot	Replace	Repair	Est. Hrs
13	D I	Nylon bolts missing at upper platform cover, bracket bent	R	ера	ir -	0.5
14	N <sub>S</sub>	Adjust tool circuit pressure to 2000psi - at 2300  REPAIRED	R	epai	ir -	0.5
	D M S N					
	D M S N					
	D M S N					
	D M S N					
	D M S N					
	D M S N					
	D M S N					
	D M S N					
	D M S N					
	D M S N					

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



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.
- 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. Attach the high voltage test lead and shunting jumpers as shown for the upper and lower boom test.
- 12. 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.
- 13. Set up booms to maintain at least 24" (60.96 cm) of clearance between conductive components as shown.
- 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

- 15. Voltage and maximum allowable leakage for the lower boom test is 100 microamps at 50 kV.
- 16. 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.
- 17. To test the lower boom, it may be helpful, though not required, to move the boom to a more vertical position to help keep the high voltage lead from contacting the ground or other conductive components. 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: Altec CSC	Other (specify)	
Service request # <u>6419650</u>	Altec model # LR7-58	<sub>Serial #</sub> 0815FF4208
		_ Category/voltage rating C - 56kV
Upper boom leakage current (microamp)		
Meter receptacle and connections condition	72	
Pass X Fail (reason)		
Comments		
Signature of technician	Shayne Schlosser	Date of test 10/2/2024

### **Periodic Dielectric Test Form for Live Line Tools**

Note: Both wet and dry tests need to be completed.

#### **Initial Setup**

- Make sure the tester power switch is turned to the OFF position before connecting the unit to its correct power source.
- Before turning the power switch to the WET or DRY position, turn the ZERO knob to the ZERO setting. You can achieve this by turning if fully counterclockwise. Failure to do this could result in damage to the meter when the unit is turned on.
- 3. Visually inspect the opening to ensure nothing is obstructing the test area. If there is an obstruction, disconnect the unit from the power source, dislodge the obstruction and then repeat setup starting at Step 1.
- 4. Turn the power switch to the DRY position and rotate the ZERO knob until the meter needle aligns with the line on the meter face indicated by the words ZERO TO LINE. This is the position the meter needs should return to after every test.
- 5. Place the Check Bar in the tester opening and ensure that the meter needle fully deflects, or nearly fully deflects.
  - · If the meter needle does not fully deflect, check to be sure the unit is in the DRY position.
  - If issues still persist, contact Service.Tools@Altec.com and enter the subject line: Live Line Tool Tester Issues.
- 6. Once steps 1-5 have been completed successfully, record that the tester has been verified to be calibrated on the testing form and then you may then move on to the dry test of the live line tool.

#### **Dry Test**

- 1. Make sure the "Zero" knob is set fully to the most counterclockwise position. Failure to do so before turning the unit on could result in damage to it.
- 2. Turn the power switch to the "DRY" position.
- 3. Visually inspect the area between the electrodes to ensure there are no obstructions and rotate the "Zero" knob until the meter needle matches up to the "ZERO TO LINE" mark on the meter face.
- 4. Support the live line tool to be tested at both ends, ensuring it is isolated from ground, and lays horizontally.
- 5. Place the tester on the stick and take overlapping readings from one end to another while watching the meter on the tester. DO NOT slide the tester on the stick. Be sure to raise and replace the unit on the stick to check each overlapping section.
- 6. Rotate the stick 90 degrees and perform the testing again, in the same overlapping manner, from end to end. Continue to do this rotating and testing until all four quadrants of the pole have been tested thoroughly.
- 7. Complete the dry test section of the test form for that stick, marking whether it passed or failed, and move on to the wet test.

Note: live line tools that have sudden spikes in leakage, have consistently high leakages or have increasing leakages throughout testing may not be fit to return to service. For further information on this, refer to HowFactory.

#### **Wet Test**

- 1. Make sure the "Zero" knob is set to fully to the most counterclockwise position before switching the power switch from "DRY" to "WET." Failure to do so before turning the unit on could result in damage to it.
- 2. Thoroughly clean the live line tool using the Moisture Eater II wipes, or Moisture Eater II solvent with a non-abrasive cloth. Apply liberally and wipe away any contaminants away with a cloth.
- 3. Turn the power switch to the "WET" position.
- 4. Visually inspect the area between the electrodes to ensure there are no obstructions and rotate the "Zero" knob until the meter needle matches up to the "ZERO TO LINE" mark on the meter face.
- 5. Support the live line tool to be tested at both ends, ensuring it is isolated from ground, and lavs horizontally.
- 6. Using a spray bottle, mist the live line tool with distilled water evenly over the entire surface, from end to end. The objective is for the water to bead up on a glossy surface. Avoid overwetting and discontinue spraying before the beads provide a current path through the water. This could give a false failure reading.
- 7. Place the tester on the stick and take overlapping readings from one end to another while watching the meter on the tester.
  - Be sure to allow for the reading on the meter to stabilize before moving from one section to the next.
  - DO NOT slide the tester on the stick. Be sure to raise and replace the unit on the stick to check each overlapping section.
- 8. Rotate the stick 90 degrees and perform the testing again, in the same overlapping manner, from end to end. Continue to do this rotating and testing until all four quadrants of the stick have been tested thoroughly.
- 9. Complete the wet test section of the test section for that stick, marking whether it passed for failed.

  Note: live line tools that have sudden spikes in leakage, have consistently high leakages or have increasing leakages throughout testing may not be fit to return to service. For further information on this, refer to HowFactory.

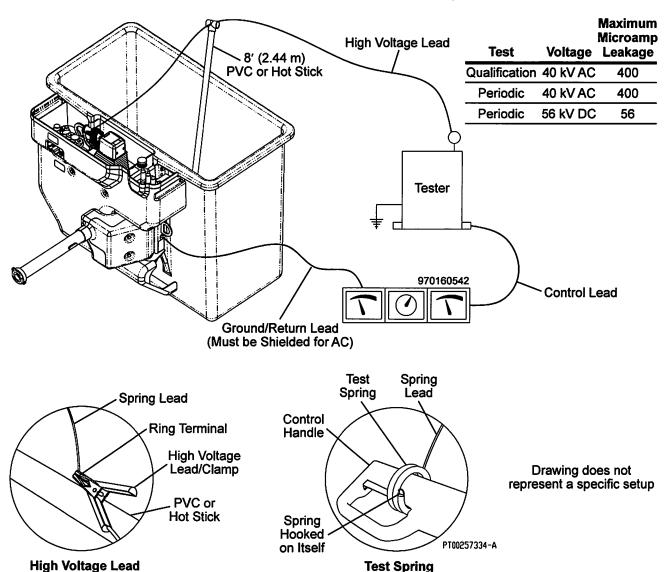
#### Completing the Test Form/Placards

- 1. Complete all sections of the test form for each live line tool test completed.
- 2. Record the Altec serial number for each live line tool tested and whether the live line tool passed, and is fit for service, or failed.
- 3. Place an Altec Live Line Tool Dielectric Inspection placard (P/N: 991219608) on the live line tool, marking the type of test conducted, Altec serial number, whether it passed or failed, and the date the testing occurred.
  Note: Do not try to order the placard mentioned above from PCD. It is part-numbered, but is not order-able. It is pre-loaded in the Zebra program that comes with each thermal printer required to test this equipment.

Conclusion

<b>Live Line Tool S/N</b> 021813041	Dry Test Pass (Initial) PASS	Wet Test Pass(Initial) PASS	Fail (Reason)
11	PASS	PASS	
22	PASS	PASS	
33	PASS	PASS	
44	PASS	PASS	
1	PASS	PASS	
			· · · · · · · · · · · · · · · · · · ·
CustomerName: Arb	or Tech		SR#: 6419650
Comments	· · · · · · · · · · · · · · · · · · ·		Test Device Verified: (Y/N)
Test device number 7	707 - 04012427 <sub>Signs</sub>	oturo oftophologian Shayne	Schlosse Date of test 10/2/24

# Confirmation Test of Upper Control Components With High Electrical Resistance (Green Single Handle) (Qualification and Periodic)



This test is to verify the high electrical resistance components in the green single handle control. In some cases, the high voltage test lead may short circuit to other nearby conductive components. First, verify that provided covers in the control area are intact. Then place insulating material(s), such as a piece of insulating blanket or liner, under and to the sides of the spring which wraps the high voltage test connections to prevent short circuiting from happening.

For AC testing – It is recommended that the high voltage test lead be elevated on an 8' (2.44 m) PVC pole or hot stick to reduce the capacitive leakage that is unrelated to the focus of the test. Use only a shielded return lead to further reduce capacitive leakage.

- Read and understand the dielectric test information in the Maintenance Manual and ANSI standard.
- 2. Insulate the vehicle from 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. Use isopropyl alcohol to clean.
- 4. Wrap the test spring (refer to Service Tools and Supplies in the Maintenance Manual) around the control handle as shown above. 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 (insulated from ground) to the spring lead. Use the length of spring lead to keep the high voltage clamp and high voltage lead away from conductive components and the platform control areas.

- 6. Attach the ground/return lead to the control base or platform mounting bracket. This lead must contact a bare metal surface. (The bellows must be in place for this test.)
- 7. It is not necessary to raise or extend the upper boom. The platform may be tested near the tailshelf for easier access.
- 8. A leakage of zero microamps is typically not a passing test. Check test setup and/or test equipment.
- 9. To test the control, gradually increase the voltage (refer to the chart). Hold at the appropriate voltage for three minutes continuously. If flashover occurs or the leakage rate exceeds the appropriate microamps from the chart, the control has failed the test. Record leakage current.

Test performed by: Altec	Other (sp	ecify)		
Test type: Qualification	Periodic X	Test conducted:	AC	<sub>DC</sub> _X
Service request # 641965				
Test device # 649		_		
Curb side control leakage curren			age current (m	licroamp) N/A
Pass X Fail (reason)				
Comments				
Signature of technician Shaye	re Schlosser	Date o	of test 10/2	/2024