Lift Inspection Report - Universal
Automotive Lift Institute Lift Inspector Certification Program

- Needs Cable Adjustment

- RH rear arm Lock. Needs new Plunger replacement + Hardware.

Inspection Report # 2023334- 6

Complete After Inspection (Check One):

Lift Failed ☒

Lift Passed ☐

Record ALI Annual Lift Inspection Label Serial # Applied:

Date Label Applied: _____ **Inspector Initials:** BP

This inspection is not intended as a guarantee against failure or malfunction. Its purpose is to verify that the lift has been maintained in a reasonable and safe manner and that the supporting documents supplied by the manufacturer are accessible to the operator to assist in the safe operation of the lift and to call attention to repairs that may be needed to correct existing or potential malfunctions where such can be determined by visual and ordinary examination methods.
No liability for the use, operation, management, or control of this lift is assumed by the inspector, the inspector's company, or the Automotive Lift Institute.

Location Name: FRANKLIN COUNTY TECHNICAL SCHOOL **Bay #:** 6

Address: 82 INDUSTRIAL BOULEVARD, TURNERS FALLS MA 01376

Owner or Employer Authorized Signature: _____ **Date:** 9/15/23

Inspection Company: BOLDUC MECHANICAL SERVICES, INC, 326 MIDDLEFIELD ROAD, CHESTER, MA 01011

Inspector Name: Bardett Bolduc **ALI Inspector ID #:** _____

"I certify that I meet the requirements of ANSI/ALI ALOIM:2020 paragraph 6.2.2 for qualified lift inspector and that I meet the training requirements for a qualified lift inspector as described in ANSI/ALI ALOIM:2020 paragraph 6.2.3."

Inspector Signature: _____ **Date of Inspection:** 9/15/2023

Lift Nameplate

Lift Model #: BP-9C **Capacity:** 9,000 ☑ lbs ☐ kg

Lift Serial #: 16402

Manufacturer & Address: Tsend PAK Year 12/96

ALI Certified Lift? ☑ No ☐ Yes **Certification Serial #:** _____

Lift Drive Type (check one): ☑ Hydraulic ☐ Hydraulically Driven Mechanical ☐ Mechanical ☐ Pneumatic

Surface Lift

- ☑ 2-Post
- ☐ 4-Post
- ☐ Scissor
- ☐ Low/Mid Rise
- ☐ Parallelogram
- ☐ Wheels-Free-Device
- ☐ Mobile Column: # of Columns: ____
- ☐ Other: _____

Inground Lift

Identify Lift Configuration & Identify Pressure Design

- ☐ Single Post
- ☐ Side x Side
- ☐ Fore & Aft
- ☐ High Pressure
- ☐ Low Pressure Air/Oil
- ☐ Low Pressure Electro-Hydraulic

Select the appropriate response:

☐ Direction from the lift manufacturer **WAS** readily available or used in support of this inspection.

☑ Direction from the lift manufacturer **WAS NOT** readily available or used in support of this inspection.

This copyrighted automotive lift inspection report is proprietary in nature and shall only be used with ALI's express written permission by ALI certified lift inspectors performing automotive lift inspection services in accordance with ALI's program requirements. Use of this copyrighted report confirms participant's Responsible Employee and ALI certified lift inspector's acknowledgment. ALI's permission is automatically revoked upon termination of Program Participation Agreement or loss of inspector certification status.

Record the total number of addendum pages added to this inspection report: _____

The attached inspection points are for reference only; Refer to ANSI/ALI ALOIM:2020 for the exact requirements.
Maintain this inspection report and photos together with other printed material or records pertaining to the lift identified in this report.
Identify adjustments, documents or parts provided or replaced, during or as a result of the inspection.

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ALOIM	Inspection Points	N/A	Compliant Yes	Compliant No
6.2.4.1.1	**Verify presence of the lift's rated load capacity label.**	○	○	☒
6.2.4.1.2	**Record location of manufacturer's instructions or equivalent (i.e. ANSI/ALI ALOIM:2020) & confirm availability to the operators.**	○	☑	○
	Installation, Operation, Inspection, Maintenance Instructions: ☑ In Office ☐ On Lift ☐ Other _____			
6.2.4.1.3	**Record location of Lift Safety Instructions including "Lifting It Right" and "Safety Tips" or equivalent & confirm availability to the operators.**	○	☑	○
	Lift Safety Instructions: ☑ In Office ☑ On Lift ☐ Other _____			
6.2.4.1.4	**Record location of ALI's Vehicle Lifting Points Guide (or equivalent) & confirm availability to the operators. Verify current edition.**	○	☑	○
	Vehicle lifting information: Identify Year: 2023 ☑ In Office ☐ On Lift ☐ Other _____			
6.2.4.1.5	**Inspect accessibility, confirm readability & appropriate ALI lift safety labeling or placarding (or equivalent) Record deficiencies. Check the label type present.**	○	☑	○
	☑ ALI/WL101, for two-post surface mounted lifts ○ ALI/WL200 or ALI/WL2200, for surface mounted wheel engaging lifts ○ ALI/WL300 or ALI/WL3300, for hinged frame engaging lifts ○ ALI/WL400, for wheel engaging mobile units ○ ALI/WL500, for inground lifts ○ ALI/WL600, for single post lifts			
	Comments:			
6.2.4.1.6	**Confirm adequate clearances exist around the lift to accommodate emergency egress and anticipated service activities. Record deficiencies observed.**	○	☑	○
	Comments:			
6.2.4.1.7	**Inspect all accessible structural components including welds and record any evidence of overloading, misuse, abuse, permanent deformation, or cracks.**	○	☑	○
	Record observed modifications or reconstructions made to any automotive lift lacking documented express written permission of the lift manufacturer. (Attach documented permission to this report)	☑	○	○
	Comments:			
6.2.4.1.8	**Inspect electrical components, wiring & confirm appropriate electrical component labeling.**	○	☑	○
Item 1.	Record broken or unstranded wires/cables, damaged connectors, jumper wires, missing components/covers.	Item 2.	Verify presence of lockout/tagout provisions.	
Item 3.	Verify that all electrical lifts are provided with a separate, appropriately sized service.	Item 4.	Verify electrical lifts are provided with separate overload protection (appropriately sized), rated & meets local code.	
	Comments:			
6.2.4.1.9	**Inspect the lift controls to ensure accessibility, unobstructed view of the lift & verify automatic return to neutral, or off, when released. Record any deficiencies observed.**	○	☑	○
	Comments:			
6.2.4.1.10	**On lifts using runways, inspect to ensure proper operation of all features present. Record deficiencies observed.**	☑	○	○
Item 1.	Inspect presence & proper operation of fixed/automatic runway stops & accessibility of runway (wheel) chocks.	Item 2.	Inspect proper operation of the movable runway feature (if present).	
Item 3.	Inspect security of the runways, turntables and/or slip plates.	Item 4.	Inspect the integrity of the anti-slip surface treatment.	
	Comments:			
6.2.4.1.11	**On runway-style lifts employing jacking or free wheel systems, inspect to ensure proper operation of all features present. Record deficiencies observed.**	☑	○	○
	Each wheels-free-device shall be separately inspected in accordance with this standard.			
Item 1.	Inspect proper operation of the jack locating system as well as the support rails.	Item 2.	Inspect to ensure that capacity of any one wheels-free-device does not exceed capacity limitations set by lift manufacturer.	
Item 3.	Verify if multiple wheels-free-device are used, each device & lift are labeled & the instructions address aggregate capacity per ANSI/ALI ALCTV (current edition).	Item 4.	Inspect to ensure minimum center-to-center distance of multiple wheels-free-devices is not less than maximum center-to-center distance of runways unless specified in lift instructions.	
	Comments:			
6.2.4.1.12	**Inspect to ensure all telescoping components requiring stops are functioning as intended. Record improper function or excessive wear.**	○	☑	○
	Comments:			

Inspector's Initials: BR **Date Completed:** 9/15/2023 **Inspection Report #:** 2023334-6

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ALOIM	Inspection Points	N/A	Compliant Yes	Compliant No
6.2.4.1.13	**On lifts requiring swing arm restraints, the swing arm restraints shall be inspected and manually evaluated for improper function, low resistance, excessive wear or damage. Record all results.**	○	○	☒
Comments:	RH rear ARTL Plunger needs Replacement Some Gears Showing Wear			
6.2.4.1.14	**Inspect all fastening devices for looseness or evidence of improper fit, damage, excessive wear, elongation, or hole deformation. Record deficiencies observed.**		☑	○
Comments:				
6.2.4.1.15	**Inspect all swivel pins, rollers, slide blocks, and axles. Record deficiencies observed.**	○	☑	○
Item 1.	Inspect all swivel pins for improper fit, damage, excessive wear, elongation, or hole deformation.	Item 2.	Inspect all guide rollers, slide blocks, bearing rollers, and roller contact surfaces for wear and misalignment.	
Item 3.	Inspect all axles and rollers for free rotation and secure mounting.			
Comments:				
6.2.4.1.16	**Inspect floor anchor bolts (if employed) in accordance with the recommendations of the anchor bolt manufacturer. Record deficiencies observed.**	○	☑	○
Comments:				
6.2.4.1.17	**Record service bay floor safety observations such as cracks or loose concrete around the anchor bolts.**		☑	○
Comments:				
6.2.4.1.18	**Operate the lift through its full cycle & inspect the operation of the positive stop & the lift load holding devices. Record improper function, excessive wear, or damage.**		○	☒
Item 1.	Inspect the operation of the positive stop & the lift load holding devices.	Item 2.	Inspect if the lift load holding devices engage in the fully extended position.	
Item 3.	On lifts employing continuous latching systems, inspect to ensure lift load holding devices are operational & engage in all intended positions.	Item 4.	Inspect to confirm proper operation of the load holding device release mechanisms & reset devices.	
Comments:	Present but No Lock engagement at top RH column / Adjustment?			
6.2.4.1.19	**On lifts employing adapters, inspect condition & proper operation, record deficiencies observed.**	○	☑	○
Item 1.	On lifts employing adapters that contact vehicle frame, body, axle, tires, or other lift point, inspect for proper operation.	Item 2.	Inspect to ensure extenders/height adapters (if used) are fully functional & properly labeled for application & capacity.	
Item 3.	Inspect adapter over-extension stops.	Item 4.	Inspect pads for wear & excessive contamination from oil, rust, or dirt.	
Item 5.	Inspect to ensure extenders/height adapters (if used) are manufactured in accordance with ANSI/ALI ALCTV.	Item 6.	Inspect threads, swivels & over-center stops along with surface treatments or pads.	
Comments:				
6.2.4.1.20	**With a representative vehicle on the lift, calculate and record the average lowering speed from full rise to lift or tire touch down. Lowering speed shall not exceed twenty (20) feet per minute.**		☑	○
	Record lowering speed *(inches divided by seconds multiplied by 5)*: 9 fpm			
Comments:				
6.2.4.1.21	**With a representative vehicle on the lift, confirm a mobile lift system cannot be moved. Record any evidence of improper fit, damage, excessive wear, or other observed deficiencies of the system providing mobility.**	☑	○	○
Comments:				
6.2.4.1.22	**Per lift manufacturer's instructions, inspect all points requiring lubrication to ensure cleanliness, integrity of fittings, and presence of lubricant. Record damaged or missing fittings and points in need of lubrication.**		☑	○
Comments:				
6.2.4.1.23	**Inspect the operation of lifts equipped with lateral synchronization or equalization systems by running the lift through its full travel. Record misalignment of the lifting contact points which might impair safe operation.**	○	☑	○
Comments:				
6.2.4.1.24	**Inspect lift's working platforms, railings & stairways. Record deficiencies observed.**	☑	○	○
Item 1.	Inspect to ensure railings and toe boards are in place, in good repair & anti-slip features are functional.	Item 2.	Inspect that the stair treads & other walking surfaces to ensure they are free of debris or excessive oil & grease.	
Comments:				

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ALOIM	Inspection Points	N/A	Compliant Yes	Compliant No
6.2.4.1.25	**On lifts incorporating overhead structures, record improper function of the up over-travel (overhead) shut-off switch.**	○	✓	○
Comments:				
6.2.4.1.26	**Inspect all chains & wire ropes, record excessive slack. Use lift manufacturer guidelines whenever possible.**	○	✓	○
Item 1.	Inspect the end connections and record excessive corrosion, fatigue, excessive wear, connection hole elongation or deformation.	Item 2.	Inspect wire ropes and record deformation, kinks, excessive corrosion, reduced diameter, broken, cut, bent, or crushed wires, un-stranding, or contamination.	
Item 3.	Inspect chains and record excessive wear on links, pins, or side plates, deformed, bent, rusted or broken links, or presence of foreign material.			
Comments:	Need Adjustment			
6.2.4.1.27	**Inspect the tracking & level winding of wire ropes & chains. Record deficiencies observed.**	○	✓	○
Item 1.	Inspect tracking & level winding of wire ropes/chains upon drums, sheaves (pulleys) or sprockets.	Item 2.	Inspect for excessive wear on bearing and edge guide surfaces.	
Item 3.	Inspect free rotation of sheaves (pulleys) & sprockets.			
Comments:				
6.2.4.1.28	**Inspect all potential pinch points & record those unprotected by appropriate guards or instructions (labels).**		✓	○
Comments:				
6.2.4.1.29	**Inspect lifts with multiple operating positions to confirm operation from only one position at a time. Record deficiencies observed.**	✓	○	○
Comments:				
6.2.4.1.30	**Record presence of liquids and debris in sub-floor pits, enclosures, or other sub-floor areas or recesses.**	✓	○	○
Comments:				
6.2.4.1.31	**Inspect all accessories used on the lift. Record deficiencies observed.**	✓	○	○
Item 1.	Inspect for proper labeling to assure construction in accordance with ANSI/ALI ALCTV.	Item 2.	Inspect for suitability for the application and certification for use with the specific lift.	
Item 3.	Inspect to confirm capacity labeling on all accessories.			
Comments:				
6.2.4.2.1, 6.2.4.5.3	**Check with lift operator (owner or employer, if not available) and record if there has been difficulty in lifting the rated load capacity or if the lift rises or lowers overnight or when not in use.**		✓	○
Comments:				
6.2.4.2.2	**Inspect all accessible piping, tubing, hose, valves & fittings. Review lift oil consumption records.**	○	✓	○
Item 1.	Record any hydraulic or air leaks. **Record oil type:** ○ ATF ✓ Hydraulic oil ○ Other: _____			
Item 2.	In cases where elevated oil consumption is reported without evidence of surface leaks, recommend a pressure check be performed on the underground components by qualified service personnel to determine the existence of suspected leakage.			
Comments:				
6.2.4.2.3	**Operate lift through full travel & observe if lift travels smoothly while raising & lowering. Inspect plunger oil seal and record leakage of oil or air. Verify manufacturer specified torque (if any).**	○	✓	○
Item 1.	Inspect plunger, piston rod, ram, and glands. Record gouges, scoring, corrosion, pitting, cracks, or other blemishes.	Item 2.	If the lift is equipped with an air exhaust valve, record the presence of oil mist when lowering.	
Comments:				
6.2.4.2.4 6.2.4.5.2	**With lift loaded, stop the load at midpoint of travel and record slow downward drift.**	○	✓	○
Comments:				
6.2.4.2.5	**On lifts that incorporate floor opening covers, inspect for and record improper use, operation, damaged or missing covers.**	✓	○	○
Comments:				

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ALOIM	Inspection Points	N/A	Compliant Yes	Compliant No
6.2.4.2.6	**On air-oil operated lifts record the absence of the low oil control or shut-off device. Record the absence of controlled access to air-oil tank.**	✓	○	○
Comments:				
6.2.4.2.7	**Confirm provisions for venting all hydraulic systems.**	○	✓	○
Comments:				
6.2.4.2.8	**On single post lifts, confirm presence of non-rotating device.**	○	✓	○
Comments:				
6.2.4.2.9	**On lifts utilizing pumping units, confirm the presence of oil in the reservoir when the lift is raised to full height. Record pump cavitation, oil foaming or oil contamination.**	○	✓	○
Comments:				
6.2.4.2.10	**Verify that the tamper resistant seal on hydraulic relief valves has not been broken. Record broken seals or evidence of tampering.**	○	✓	○
Comments:				
6.2.4.3.1, 6.2.4.4.1	**Inspect the slack suspension wire rope or slack suspension chain sensing system. Refer to manufacturer recommended inspection procedures. Record the absence of such system, improper operation or deficiencies observed.**	✓	○	○
Comments:				
6.2.4.3.2	**Inspect the operation of screw drive systems and main load nut. Record deficient lubrication.**	✓	○	○
Item 1.	Record excessive wear on main load nuts by following manufacturer's recommended inspection procedures.	Item 2.	Record the presence of metal filings or particles in the lubricant.	
Comments:				
6.2.4.3.3	**Inspect screw drive systems for proper operation of the follower or safety nut. Refer to manufacturer's recommended inspection procedures. Record deficiencies observed.**	✓	○	○
Item 1.	Ensure that the electrical shut-off switch is operative (if included).	Item 2.	Inspect for the presence & proper operation of any other drive nut failure warning device.	
Comments:				
6.2.4.3.4	**Observe multiple screw system synchronization. Refer to manufacturer recommended inspection procedures. Record deficiencies observed.**	✓	○	○
Item 1.	Operate the lift through its full cycle & inspect for shutoff at top & bottom of travel.	Item 2.	Inspect operation of device which provides for shutdown in the event of malfunction of any of the screw systems.	
Comments:				
6.2.4.5.1	**Inspect all accessible piping, tubing, cylinders, air bags, bellows, hose, valves and fittings. Record any air leaks.**	✓	○	○
Comments:				
6.2.4.5.4	**Observe and record absence of a pressure regulator in the air supply line.**	✓	○	○
Comments:				
6.2.4.5.5	**Inspect airbag or bellows for damage such as weld sparks, grinding particles, cuts and abrasions.**	✓	○	○
Comments:				

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REPORTABLE OBSERVATIONS – OPERATOR TRAINING

The following shall be reported as a result of reviewing the Operator Training Log for each operator provided by the owner or employer (Appendix A of ANSI/ALI ALOIM:2020 or equivalent). These points may not necessarily result in a failed automotive lift inspection when evaluated solely in accordance with the Periodic Qualified Inspection requirements of ANSI/ALI ALOIM:2020. However, they may negatively impact operator safety and compliance with applicable codes, standards, & regulations (i.e. building/electrical codes, OSHA, Provincial Health & Safety).

Requirement:	The lift inspector shall evaluate for compliance and document the following requirement: "The owner or employer shall document that lift operators have been trained in accordance with ANSI/ALI ALOIM:2020 section 5.2 and shall maintain an Operator Training Log indicating each lift the operator is trained to operate."

	For each submitted training log record the name of the lift operator	Is the log compliant? Yes	Is the log compliant? No	Date of latest training (mm/dd/yyyy)		For each submitted training log record the name of the lift operator	Is the log compliant? Yes	Is the log compliant? No	Date of latest training (mm/dd/yyyy)
1		○	✓		8		○	○	
2		○	○		9		○	○	
3		○	○		10		○	○	
4		○	○		11		○	○	
5		○	○		12		○	○	
6		○	○		13		○	○	
7		○	○		14		○	○	

REPORTABLE OBSERVATIONS – POINTS

(All points must be addressed)

The following shall be reported. These points may not necessarily result in a failed automotive lift inspection when evaluated solely in accordance with the Periodic Qualified Inspection requirements of ANSI/ALI ALOIM:2020. However, they may negatively impact operator safety and compliance with applicable codes, standards, & regulations (i.e. building code, electrical code, OSHA, Provincial Health & Safety).

Report safety features and automotive lift use observed to be ***CONTRARY*** to lift design and/or manufacturer's instructions.	✓ None Observed	○ Observed *(add comment below)*
Comments:		
Report safety-related observations which may not be automotive lift related but may detrimentally affect safety or other known areas of compliance.	✓ None Observed	○ Observed *(add comment below)*
Comments:		
Report uncertified accessories observed.	✓ None Observed	○ Observed *(add comment below)*
Comments:		
Check exposed surfaces and edges: Report burrs, sharp edges or excessive corrosion.	✓ None Observed	○ Observed *(add comment below)*
Comments:		
Report cleanliness and orderliness of the lift and its surroundings.	✓ Acceptable	○ Unacceptable *(add comment below)*
Comments:		
Review planned maintenance records in accordance with ANSI/ALI ALOIM:2020.	○ Compliant	○ Not Compliant *(add comment below)*
Comments:	None	
Review repair maintenance records in accordance with ANSI/ALI ALOIM:2020.	○ Compliant	○ Not Compliant *(add comment below)*
Comments:	None	

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