Toolbox Safety Talk

Articulating Boom Work Platforms

Articulating boom work platforms are important tools and if used correctly, provide quick and safe access to work areas. But as with any tool, there are right and wrong ways to use them. Experience has shown that improper use of articulating boom lifts can result in injuries, death, and equipment damage. This guide addresses safe use of articulating boom work platforms and provides tips to prevent injuries, death, and equipment damage. More information can be found in the University Fall Prevention Program or by contacting EH&S at 255-8200.

TRAINING
- Articulating boom lift users shall receive safety training and demonstrate proficiency in the use of the equipment.
- Articulating boom lift users shall review the operator’s manual before using the lift.

INSPECTION
- Perform visual and functional inspections of the lift before each use. The daily inspection sheet shall be utilized.
- All operator controls shall be clearly marked.
- Equipment load capacities shall be clearly indicated. All loads must be directly on the platform surface.
- A wind velocity meter shall be available to articulating boom lift users.

SETUP
- All occupants shall wear a full body harness with lanyard attached to the platform anchor point. Occupants must also wear a hardhat and safety glasses while operating the lift.
- An escort vehicle (chaser) with hazard lights is required while driving the lift on public roadways. For lifts greater than 85’, two escort personnel are required (front and rear). Personnel must wear reflective vests.
- Ensure a clear area above, below, and immediately around the lift at all times.
  - Level and stable surface. Ensure surface can support the weight of the lift.
  - Clear from holes, drop-offs, bumps, debris, etc.
  - Clear from overhead obstructions and overhead power lines
- Most lifts are rated for use at a maximum wind speed of 25 mph. Lifts shall not be used when adverse weather conditions develop.

OPERATION
- Ensure railing system is in place at all times. Always close entrance chains or doors.
- Stand only on the platform surface. Never climb or step on the railing system.
- Do not attach hanging loads to any part of the machine.
- If the tilt alarm sounds, use extreme caution to retract the boom and lower the platform.
- When parking, retract and lower the boom to the stowed position when possible. Rotate the turntable so that the boom is between the non-steering wheels. Ensure a safe parking location. Remove key.
- If at any point the operator does not feel safe, lower the lift and speak with your supervisor.
Pre-operation Inspection

- Be sure that the operator's, safety and responsibilities manuals are complete, legible and in the storage container located in the platform.
- Be sure that all decals are legible and in place. See Decals section.
- Check for engine oil leaks and proper oil level. Add oil if needed. See Maintenance section.
- Check for hydraulic oil leaks and proper oil level. Add oil if needed. See Maintenance section.
- Check for engine coolant leaks and proper level of coolant. Add coolant if needed. See Maintenance section.
- Check for battery fluid leaks and proper fluid level. Add distilled water if needed. See Maintenance section.
- Check for proper tire pressure. Add air if needed. See Maintenance section.

Check the following components or areas for damage and improperly installed, loose or missing parts:

- Electrical components, wiring and electrical cables
- Hydraulic hoses, fittings, cylinders and manifolds
- Fuel and hydraulic tanks
- Drive and turntable motors and drive hubs
- Boom wear pads
- Tires and wheels
- Engine and related components

Limit switches and horn
- Alarms and beacons (if equipped)
- Nuts, bolts and other fasteners
- Platform entry mid-rail or gate

Check entire machine for:

- Crack in welds or structural components
- Dents or damage to machine
- Be sure that all structural and other critical components are present and all associated fasteners and pins are in place and properly tightened.
- After you complete your inspection, be sure that all compartment covers are in place and latched.

NAME: _____________________________  DATE: _____________________________

Part No. 43648  Genie S-60 & Genie S-65  11

Environmental Health & Safety
Facilities Safety & Health Section
395 Pine Tree Rd. Suite 210
Ithaca, NY 14850
607.255.8200

Please return sign-in sheet to Environmental Health & Safety for recordkeeping.
Date:____________________  Start Time: ____________________ End Time: ____________________

Location:_____________________________________________________________________________

Presenter Name:_______________________________________________________________________

<table>
<thead>
<tr>
<th>PRINT NAME</th>
<th>NET ID</th>
<th>DEPARTMENT</th>
<th>SIGNATURE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Please return sign-in sheet to Environmental Health & Safety for recordkeeping.