

AERIAL LIFTS



Introduction

- ◆ This is a familiarization presentation and does not eliminate the need for proper training on the equipment
- ◆ OSHA requires that ALL persons be trained in the proper operation and safety of any aerial lift device PRIOR to operating

Aerial Lifts

Purpose: Lifts are a better way to reach overhead areas and are safer than ladders. However, there are safety precautions that must be followed



Work platforms are to be used by trained and authorized operators only

It is the operators responsibility to:

- ◆ Read and understand all caution and danger warnings and operating manual
- ◆ Perform daily maintenance/inspection
- ◆ Have all worn or damaged parts replaced
- ◆ Fasten entry gate/chain/bar
- ◆ Use work platform only on hard level surfaces

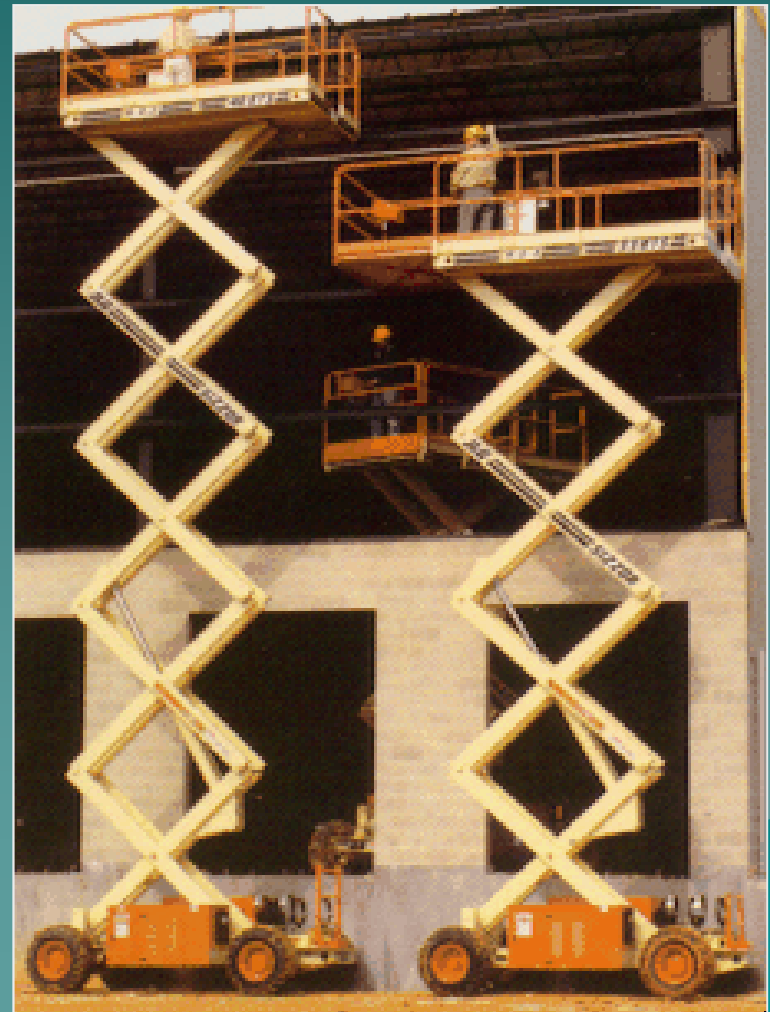


Inspect and/or Test the Following Daily or at the Beginning of Each Shift

1. Operating and emergency controls
2. Safety devices
3. Personal protective devices
4. Tires and wheels
5. Air, hydraulic and fuel system for leaks
6. Loose or missing parts
7. Cable and wiring harness
8. Placards, warnings, control markings and operating manual
9. Guardrail system
10. Battery fluid level
11. Hydraulic reservoir level
12. Coolant level

Fall Protection for Scissor Lifts

- ◆ Scissors Lifts (Mobile Elevating Work Platform)
 - Fall protection is required at Stennis



Fall Protection for Aerial Lifts

- Aerial Lifts (articulating & telescoping boom lifts)
 - **Articulating aerial lifts**, which have a hinged boom, require additional fall protection due to the potential of being bounced out of the bucket



Fall Arrest Systems

- ◆ Fall arrest systems include:
 - Full-body harness
 - Lanyards
 - Rope grabs
 - Lifelines
 - Lifeline anchorage points
 - Riggings



Fall Arrest Systems

- ◆ Know the application limits of the system being used (see manufacturer recommendations)
- ◆ Proper anchoring and tie-off techniques
 - Never attach yourself to unstable anchors
- ◆ Deceleration distance and elongation of lanyards
 - Make sure that the lanyard is not too long (include stretch distance)



Tip-Over Hazards

- ◆ Do not drive near drop-offs, holes, or edge of loading docks
- ◆ Do not raise platform on uneven or soft surfaces
- ◆ Do not drive onto uneven or soft surfaces when elevated
- ◆ Do not raise platform on slope or drive onto slope when elevated
- ◆ Do not raise platform in windy or gusty conditions
- ◆ Do not stand on railing to reach work area rather than repositioning the lift
- ◆ Do not travel to job location with lift in elevated position
- ◆ Do not use lift with railing removed
- ◆ Do not use lift on uneven or sloped surface
- ◆ Do not use near power lines, junction boxes, etc.



Electrocution Hazard

- ◆ The machine is not insulated
- ◆ Maintain safe clearances from electrical power lines and apparatus
- ◆ You must allow for platform sway, rock, or sag
- ◆ The work platform does not provide protection from contact with or proximity to an electrically charged conductor



Other Hazards

- ◆ Do not overload
- ◆ Do not use without railings and entry gate in place
- ◆ Do not use if work platform is not working or parts are damaged
- ◆ Do not use near moving vehicles
- ◆ Do not stand or sit on guardrails
- ◆ Do not use under the influence of alcohol or drugs
- ◆ Do not override safety devices
- ◆ Do not leave unattended with key in switch
- ◆ Do not use ladder or other device to increase size or working height
- ◆ Do not use with improperly inflated tires
- ◆ Do not use with damaged wheels or tires



Aerial Lifts

Questions?

The background is a solid teal color. At the bottom right corner, there is a silhouette of a mountain range in a slightly darker shade of teal.