

G12.78 Inspection and testing

Proposed February 18, 2005

Section 12.78 of the *OHS Regulation* states:

An automotive lift must be inspected and tested monthly, in a manner acceptable to the Board, unless the manufacturer requires more frequent inspection and testing.

The purpose of this guideline is to describe acceptable methods of inspecting and testing automotive lifts on a monthly basis. A monthly inspection must be performed even if it is not specifically required by the automotive lift manufacturer. Note that monthly inspections are in addition to inspections specified by the manufacturer or the ANSI standard on an annual or more frequent basis.

The auto lift owner or employer is responsible to ensure monthly inspection and testing is performed on each automotive lift. The monthly inspection is typically performed by workers having the necessary training and experience, such as a qualified automotive lift operator. Personnel performing monthly inspections should meet the automotive lift operator qualifications and training requirements specified in section 4.1 and 4.2 of the standard *ANSI/ALI ALOIM-2000*. Section 5.2 of the standard provides guidance on further training recommended for automotive lift inspectors. The following resources can be used to train operators on how to perform monthly auto lift inspections:

- Manufacturer's instructions and warning labels.
- Automotive Lift Institute publications, "Quick Reference Guide, Vehicle Lifting Points for Frame Engaging Lifts", "Lifting It Right", "Safety Tips".
- ANSI Standard *ANSI/ALI ALOIM-2000 Safety Requirements for Operation, Inspection and Maintenance*.
- Qualified automotive lift inspectors (qualified pursuant to section 5 of the above standard).
- Manufacturer's representatives.

The inspection and test points should include the following:

- those listed for daily inspections in section 4.4.4 of *ANSI/ALI ALOIM-2000*; and
- those required by the auto lift manufacturer to be performed on a monthly, or more frequent, basis. If the manufacturer does not specify monthly or more frequent inspections, a monthly inspection should follow the inspection and test points that are typical in the industry for that type of equipment.

An example of a monthly inspection checklist is provided at the end of this guideline. The checklist provided may not be inclusive for all types of automotive lifts. For a complete checklist, refer to the automotive lift manufacturer's instructions or contact the manufacturer.

MONTHLY AUTO LIFT INSPECTION

Make: _____ Model: _____ Serial # _____

Instructions:

1. Check (✓) the appropriate box as each item is completed. If there is more than one inspector, each person will initial the item they inspected.
2. Record comments, observations and the date items were repaired or replaced.
3. If any item was not inspected, write "NI" in the comments box. If any item is not applicable to this auto lift, write "NA".
4. Sign and date at the bottom when all items are completed.

Inspection / Service Item	OK	Needs Repair	Repaired/ Replaced	Comments / Date Repaired or Replaced
15 minute leak test (vehicle elevated)				
HYDRAULIC SYSTEM				
CAPACITY _____ lbs				
Test Function:				
Oil Level & Inspect for Leaks:				
Valves:				
Hoses:				
CABLES, CHAINS, V-BELTS, SPINDLES				
Check for Excess Play:				
Amount of Wear:				
Cables Lubricated:				
Pulleys Greased:				
PULLEYS, PINS & SPROCKETS				
Condition:				
COLUMNS, POSTS				
Rust / Damage / Wear:				
Alignment:				
Rubbing Blocks or Guide Rollers:				
ROLLING BRIDGE, WHEEL FREE				
CAPACITY _____ lbs				
Leak Test:				
Locks:				
Rollers or Slides:				
GENERAL				
Decking & Covers Secured:				
Anchor Bolts & Other Fasteners:				
Swing Arm Restraints, Telescoping Stops:				
Wheel Chocks:				
Runway Stops:				
Drive-up Ramps:				
Test Lift Locks:				
Inspect / Test Other Safety Features:				
ELECTRICAL				
Function of Switches:				
Limit Switch:				
Condition of Terminals:				
OTHER				

Inspected by: _____ Date completed: _____