DIVISION OF INDUSTRY SERVICES
141 NW BARSTOW ST FL 4TH
WAUKESHA WI 53188-3789
Contact Through Relay
http://dsps.wi.gov/programs/industry-services
www.wisconsin.gov

Completed test form to be left in Maintenance Log

Send a copy to the agency responsible for the annual inspection only if these tests are overdue

Do not send to DSPS for review unless requested

Hydraulic In-Ground Jack and/or Piping Test Report - Category 1

This applies to all in-ground jacks and piping regardless of installation contract date
This is not required for elevators where the jack(s) and all piping are above ground

Please type or print clearly. Illegible and incomplete forms will not be accepted.
Personal information you provide may be used for secondary purposes [Privacy Law s. 15.04(1)(m), stats.]

Conveyance Information							
Building Name:						Elevator Number:	
Building Address:					Reg. Object ID or eSLA Permit No.:		
Type	Passenger ☐	Freight ☐	LULA ☐	Part V or Private Res type in Commercial bldg. ☐	Special Purpose (SPPE) ☐	Sidewalk ☐	Stage/ Orch. ☐
Rated load (lbs):		Rated speed (up, fpm):		Rated or operating speed (down, fpm):		Leveling speed (fpm):	
Date of Test:		PTO Year:	Test results can be used to satisfy either an overdue or future PTO but not both. See SPS 318.17086 (14)				

See **SPS 318.17086(9)(b), (c) and (d),** the code in effect when the conveyance or hydraulic jack were installed and ASME A17.2.

Relief Pressure – A17.1, 8.6.5.14.1		
Full-load working pressure (FLWP): psi Note: *This is pressure in up direction with car **fully** loaded - this is **not** empty car running pressure*		
FLWP determined by: (check one - calculation is not acceptable) Verifying previous setting or records: ☐ Confirming now with test weights: ☐		
Relief pressure (RP) with plunger or piston on stop-ring: psi Note: If RP exceeds 150% of FLWP, test will be rejected		
Was pressure adjustment sealed prior to start of test: Yes: ☐ No: ☐	If no, will valve be sealed: Yes: ☐ No: ☐	If No, why:

Static Test – A17.1, 8.6.5.14.2	
After applying relief pressure to system open the main electrical disconnect for minimum 15 minutes. A change in car position after the time has elapsed that cannot be explained by visible oil leakage, valve leakage or cooling of oil indicates a leak in the below-ground portion of the cylinder or piping. To determine whether valve leakage occurred, the tester must compare the volume of oil rise in the tank to the volume of oil displaced from the cylinder by the plunger or piston during the test.	
Length of time for test (15 minutes minimum): minutes	
Change in oil level in tank: inches	Change in car position: inches
Corresponding change in oil volume in tank: cubic inches	Corresponding change in oil volume in cylinder: cubic inches
Does the descent of the car over the time match the rise in oil level in the tank? Yes ☐ No ☐	
If no, explain where oil is lost:	

Result of Test: Pass ☐ Fail ☐

If Fail, elevator must be removed from service immediately per SPS 318.17086(9)(d).
Leaking in-ground jack or piping is under regulation of DNR for soil contamination. Hydraulic jack or piping may not be abandoned in the ground.
Elevator may not be placed out of service indefinitely or converted to a material lift where the elevator has failed one or both of these tests.

Tester Information				
Contractor Name (or Owner if performed by a licensed employee)			Individual Name	
Address			License Number	Expiration Date
City	State	ZIP	Signature	

See ASME A17.1, 8.6.1.4.1, 8.6.1.7.2 and SPS 318.17086(5) for additional information regarding on-site records and test tags.

Per SPS 318.17086(4) periodic tests may be witnessed an inspector of the department, agent municipality or by a person authorized by the department or agent municipality.