



Elevator, Boiler, & Amusement Ride Bureau
 6200 Park Ave., Ste. 100
 Des Moines, IA 50321
 Phone: 515.725.2537
elevators@iwd.iowa.gov

Periodic Hydraulic Elevator Test

State ID	Check one: <input type="checkbox"/> Annual <input type="checkbox"/> 3 year <input type="checkbox"/> 5 year	Last Category 1 Test Date:	Last Category 5 Test Date:
Building Name		Owner Name	
Address			

(Check box) Type: <input type="checkbox"/> Passenger <input type="checkbox"/> Freight <input type="checkbox"/> LULA <input type="checkbox"/> Restricted <input type="checkbox"/> MRL	# of Front Landings:	# of Rear Landings:	Total # of Landings:
--	----------------------	---------------------	----------------------

Data Plate Information

Capacity: _____ lbs	Speed: _____ fpm	Governor Tripping Speed: _____ fpm	Loaded Working Pressure: _____ psi
Front Door (2000 or later) (Code zone) Closing Speed: _____ sec	Rear Door (2000 or later) (Code zone) Closing Speed: _____ sec	Controller Manufacturer:	

REF #	Category 1	Is Test Satisfactory?
1	8.6.5.14.1 Relief Valve Verification of Setting and System Pressure Test: Relief Valve Pressure: _____ psi	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
2	8.6.5.14.2 Hydraulic Cylinders and Pressure Piping	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
3	8.6.5.14.3(a) Normal and Final Terminal Stopping Devices	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
4	8.6.5.14.3(b) Governors	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
5	8.6.5.14.3(c) Safeties Type (no load) <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
6	8.6.5.14.3(d) Oil Buffers	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
7	8.6.5.14.3(e) Firefighters' Emergency Operation	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
8	8.6.5.14.3(f) Standby or Emergency Power Operation (no load)	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
9	8.6.5.14.3(h) Emergency Terminal Speed-Limiting Device & Emergency Terminal Stop Device	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
10	8.6.5.14.3(i) Low Oil Protection Operation	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
11	8.6.5.14.4 Flexible Hose and Fitting Assemblies	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
12	8.6.5.14.5 Pressure Switch	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
13	8.6.5.14.6 Power Operation of Door System: Door Closing Speed (Code Zone): Front _____ sec; Rear _____ sec; Door Closing Force: Front _____ lbf; Rear _____ lbf	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
14	8.6.5.14.7 Slack-Rope Device	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
15	8.6.4.19.10 Functional Safety of SIL Rated Devices	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
16	8.6.4.19.15 Emergency Communications	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
17	8.6.4.19.16 Means to Restrict Hoistway or Car Door Opening	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
18	Miscellaneous Concerns – list on page 2	<input type="checkbox"/> Y <input type="checkbox"/> N
Category 5 – Must complete Category 1 with this section		
19	8.6.5.16.1 Car: Gov jaw trip: _____ fpm; Gov overspeed switch: _____ fpm; Gov Safety slide distance: _____ in; Safety release carrier pull force: _____ lbf; Gov pull through force: _____ lbf Counterweight: Gov jaw trip: _____ fpm; Gov overspeed switch: _____ fpm; Safety slide distance: _____ in; Safety release carrier pull force: _____ lbf; Gov pull through force: _____ lbf	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
20	8.6.5.16.2 Coated Ropes	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
21	8.6.5.16.3 Wire Rope Fastenings	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
22	8.6.5.16.4 Plunger Gripper	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
23	8.6.5.16.5 Overspeed Valves	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
24	8.6.5.16.6 Freight Class C2 Full Loading	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
Category 3 – Must complete Category 1 with this section		
25	8.6.5.15.1 Unexposed Portions of Pistons	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
26	8.6.5.15.2 Pressure Vessels	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A

The tests were performed in compliance with ASME 17.1, A117.1, and Iowa Code 89A and in accordance with the code in effect at time of the original installation and/or any applicable alteration(s). **Complete page 2 for each failed item.**

Company Performing Test _____ **Company Address, City, State, Zip** _____ **Date** _____

Individual Performing Test _____ **Signature** _____ **Witness (if required)** _____ **QEI #** _____

Unsatisfactory Test Component

State ID #: _____

REF # (Page 1)	Part	Violative Condition	Suggested Remedy	Corrected During Test	Comments
				<input type="checkbox"/>	
				<input type="checkbox"/>	
				<input type="checkbox"/>	
				<input type="checkbox"/>	
				<input type="checkbox"/>	

Part

Inside Car		24	Hall Button Station	43	Controller—Selector	66	Emergency Brake/Rope Gripper
01	Emergency Stop Switch	25	Indicators	44	Reverse Phase Relay	67	Communication
02	Alarm System	26	Car Door Restrictor	45	Traction Sheave	68	Maintenance Log
03	Car Phone	Top of Car		46	Governor	69	Code Data Plate
04	Car Enclosure	27	Top Emergency Exit Cover	47	Governor Switch	Pit	
05	Side Emergency Exit	28	Governor Release Carrier	48	Drum	70	Pit
06	Car Door/Gate	29	Door Hangers & Connectors	49	Pump Unit	71	Pit Light
07	Car Door/Gate Contact	30	Door Operator	50	Drum Machine Limit SW	72	Pit Stop Switch
08	Door Reopening Device	31	Normal Limits	51	Generator	73	Car Guide-Rails & Brackets
09	Car Sill to Hatch Sill	32	Final Limits	52	Slack Rope Switch	74	Cwt Guide-Rails & Brackets
10	Car Floor	33	Guide Shoes / Roller Guides	53	Hoist Cables	75	Buffers
11	Car Door Gibs	34	Counterweight	54	Governor Ropes	76	Car Safety & Tail Rope
12	Car Button Station	35	Hoistway	55	Car Counterweight Rope	77	Underside Platform
13	Car Lighting	36	Electrical Wiring	56	Drum Counterweight Rope	78	Tension Weight
14	Emergency Lighting	37	Pipes and Ducts	57	Hoist Machine	79	Comp / Chains / Ropes / Switch
15	Car Mirror	38	Overhead & Deflector Sheave	58	Hoist Motor	80	Counterweight Runby
16	Certificate Frame	39	Traveling Cable & Junction	59	Worm / Gear / Bearings	81	Counterweight Runby Signage
Hoistway		40	Car Top	60	Machine Brake	82	Plunger Gripper
17	Hoistway Doors	Machine Room		61	Lighting Machine Space	Miscellaneous	
18	Hoistway Door Gibs	41	Machine Room	62	Machine Disconnect SW	83	Entire Device
19	Hoistway Door Reinforcements	42	Machine Room Door	63	Commutator	84	Miscellaneous
20	Hoistway Door Safety Retainer			64	Motor Brushes		
21	Vision Panel			65	Unintended Car Movement		
22	Interlocks						
23	Parking Device						

Violative Conditions

A	Altered	H	Worn	O	Dirty	V	Not Level
B	Insufficient	I	Damaged	P	No Means of Access	W	Unlocked
C	Padlocked	J	Misaligned	Q	Unguarded	X	Inoperative
D	Unsecured	K	Rusted	R	Illegal	Y	Oil Leak
E	Rubbing	L	Defective	S	Not Fire Retardant	Z	Water Leak
F	Lost Motion	M	Missing	T	Unlabeled	AA	Carbon Buildup
G	Improper Fuses	N	By-Passed	U	Device Not Tagged	BB	Expired Tag

Suggested Remedy

01	Adjust	06	Properly Secure	11	Replace	16	Provide Means of Access
02	Clean	07	Provide	12	Reshackle	17	Reinspection Required
03	Install Guards	08	Regroove	13	Seal		
04	Patch	09	Remove	14	Shorten		
05	Perform Test	10	Repair	15	Tag Device		