

Periodic Hydraulic Elevator Test

**Iowa Division of Labor
Elevator Safety**

1000 East Grand Avenue
Des Moines, IA 50319-0209
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www.iowaelevators.gov

State ID	Last Category 1 Test Date	Last Category 5 Test Date
Building Name		Owner Name
Address		

Type:	Passenger	Freight	LULA	Restricted	# of Front Landings:	# of Rear Landings:	Total # of Landings:
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Data Plate Information

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

REF #	Category 1	Is Test Satisfactory?
1	8.6.4.19.15 Emergency Communications	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
2	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
3	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
4	8.6.5.14.2 Hydraulic Cylinders and Pressure Piping	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
5	8.6.5.14.3(a) Normal Terminal Stopping Devices	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
6	8.6.5.14.3(b) Governors	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
7	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
8	8.6.5.14.3(d) Oil Buffers	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
9	8.6.5.14.3(e) Firefighters' Emergency Operation	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
10	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
11	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
12	8.6.5.14.3(i) Low Oil Protection Operation	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
13	8.6.5.14.4 Flexible Hose and Fitting Assemblies	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
14	8.6.5.14.5 Pressure Switch	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
15	8.6.5.14.6 Power Operation of Door System: Door Closing Speed: Front _____ fps; Rear _____ fps Door Closing Force: Front _____ psi; Rear _____ psi	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
16	8.6.5.14.7 Slack-Rope Device	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
Category 5		
17	8.6.5.16.1 Governors, Safeties, and Oil Buffers: Governor tripping speed _____ fpm; Safety slide distance _____ in Safety release carrier pull force: _____ pounds car; _____ pounds counterweight Governor pull through force: _____ pounds car; _____ pounds counterweight	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
18	8.6.5.16.2 Coated Ropes	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
19	8.6.5.16.3 Wire Rope Fastenings	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
20	8.6.5.16.4 Plunger Gripper	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
21	8.6.5.16.5 Overspeed Valves	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
22	8.6.5.16.6 Freight Class C2 Full Loading	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
23	General Safety	<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
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Individual Performing Test	Signature	Witness (if required)	QEI #
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REF # (Page 1)	Part	Violative Condition	Suggested Remedy	Corrected During Test	Comments

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

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		

Equal Opportunity Employer/Program
 Auxiliary aids and services are available upon request to individuals with disabilities.
 For deaf and hard of hearing, use Relay 711.