

**Iowa Division of Labor
Elevator Safety**
1000 East Grand Avenue
Des Moines, IA 50319-0209
Phone: 515-281-5415
Fax: 515-242-5076
www.iowaelevators.gov

Periodic Traction Elevator Test

State ID	Check one: Annual 5 Year	Last Category 1 Test Date:	Last Category 5 Test Date:
Building Name		Owner Name	
Building Address			

(check one) Type: Passenger Freight LULA Restricted	# of Front Landings:	# of Rear Landings:	Total # of Landings:
--	----------------------	---------------------	----------------------

Data Plate Information

Capacity: _____ lbs	Speed: _____ fpm	Governor Tripping Speed: _____ fpm
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	8.6.4.19.1 Oil Buffers	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
2	8.6.4.19.2 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
3	8.6.4.19.3 Governors	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
4	8.6.4.19.4 Slack-Rope Devices and Stop Motion on Winding Drum Machines	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
5	8.6.4.19.5 Normal and Final Terminal Stopping Devices	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
6	8.6.4.19.6 Firefighters' Emergency Operation	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
7	8.6.4.19.7 Standby or Emergency Power Operation (no load)	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
8	8.6.4.19.8 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
9	8.6.4.19.9 Broken Rope, Tape or Chain Switch	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
10	8.6.4.19.10 Functional Safety of SIL Rated Devices	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
11	8.6.4.19.11 Ascending Car Overspeed Protection and Unintended Car Motion Devices: Car Speed: Up _____ fpm; Down _____ fpm	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
12	8.6.4.19.12 Traction Loss Detection Means	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
13	8.6.4.19.13 Broken-Suspension Member and Residual Strength Detection Means	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
14	8.6.4.19.14 Occupant Evacuation Operation	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
15	8.6.4.19.15 Emergency Communications	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
16	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
17	Miscellaneous Concerns – list on Page 2	<input type="checkbox"/> Y <input type="checkbox"/> N
Category 5 – Must complete Category 1 with this section		
18	8.6.4.20.1 Car and Counterweight Safeties (full load): Governor Tripping Speed: _____ fpm; Safety Slide Distance _____ inches Safety Release Carrier Pull Force Car _____ lbf; Counterweight _____ lbf Governor Pull Through Force Car _____ lbf; Counterweight _____ lbf	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
19	8.6.4.20.2 Governors	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
20	8.6.4.20.3 Oil Buffers	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
21	8.6.4.20.4 Driving Machine Brakes (apply a seal and tag)	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
22	8.6.4.20.6 Emergency Terminal Stopping and Speed-Limiting Devices	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
23	8.6.4.20.7 Power Opening of Doors	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
24	8.6.4.20.8 Leveling Zone and Leveling Speed	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
25	8.6.4.20.9 Inner Landing Zone	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
26	8.6.4.20.10 Braking System, Traction and Traction Limits	<input type="checkbox"/> P <input type="checkbox"/> F <input type="checkbox"/> N/A
27	8.6.4.20.11 Emergency Brake	<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

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	17	Hoistway Doors	40	Car Top	60	Machine Brake	82	Plunger Gripper	
18	Hoistway Door Gibs	41	Machine Room	61	Lighting Machine Space	63	Commutator	Miscellaneous	
19	Hoistway Door Reinforcements	42	Machine Room Door	62	Machine Disconnect SW	64	Motor Brushes	83	Entire Device
20	Hoistway Door Safety Retainer			63	Commutator	65	Unintended Car Movement	84	Miscellaneous
21	Vision Panel			64	Motor Brushes				
22	Interlocks			65	Unintended Car Movement				
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		

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.