

Iowa Division of Labor

Elevator Safety

150 Des Moines Street
 Des Moines, IA 50309
 Phone: 515-725-5612/515-725-5608
 Fax: 515-242-5076
elevators@iwd.iowa.gov
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	
Address			

(check all that apply)						# of front landings:	# of rear landings:	Total # of landings:
Type:	Passenger	Freight	LULA	Restricted	SPPE	MRL		

Data Plate Information

Rated capacity:	lbs	Rated speed:	fpm	Governor overspeed switch:	Governor JAW trip:	fpm
Front door (2000 or later) (Code zone) closing speed:		sec	Rear door (2000 or later) (Code zone) closing speed:		sec	Controller manufacturer:

RE F #	Category 1	Is Test Satisfactory?		
1	8.6.4.19.1 Oil buffers	P	F	N/A
2	8.6.4.19.2 Safeties type (no load) A B C	P	F	N/A
3	8.6.4.19.3 Governors	P	F	N/A
4	8.6.4.19.4 Slack-rope devices and stop motion on winding drum machines	P	F	N/A
5	8.6.4.19.5 Normal and final terminal stopping devices	P	F	N/A
6	8.6.4.19.6 Firefighters' emergency operation	P	F	N/A
7	8.6.4.19.7 Standby or emergency power operation (no load)	P	F	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	P	F	N/A
9	8.6.4.19.9 Broken rope, tape or chain switch	P	F	N/A
10	8.6.4.19.10 Functional safety of SIL rated devices	P	F	N/A
11	8.6.4.19.11 Ascending car overspeed protection and unintended car motion devices	P	F	N/A
12	8.6.4.19.12 Traction loss detection means	P	F	N/A
13	8.6.4.19.13 Broken-suspension member and residual strength detection means	P	F	N/A
14	8.6.4.19.14 Occupant evacuation operation	P	F	N/A
15	8.6.4.19.15 Emergency communications	P	F	N/A
16	8.6.4.19.16 Means to restrict hoistway or car door opening	P	F	N/A
17	Miscellaneous concerns – list on page 2	Y	N	
Category 5 – Must complete Category 1 with this section				
18	8.6.4.20.1 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	P	F	N/A
19	8.6.4.20.2 Governors	P	F	N/A
20	8.6.4.20.3 Oil buffers	P	F	N/A
21	8.6.4.20.4 Driving machine brakes (apply a seal and tag)	P	F	N/A
22	8.6.4.20.6 Emergency terminal stopping and speed-limiting devices	P	F	N/A
23	8.6.4.20.7 Power opening of doors	P	F	N/A
24	8.6.4.20.8 Leveling zone and leveling speed	P	F	N/A
25	8.6.4.20.9 Inner landing zone	P	F	N/A
26	8.6.4.20.10 Braking system, traction and traction limits	P	F	N/A
27	8.6.4.20.11 Emergency brake	P	F	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	23	Parking device	42	Machine room door	66	Emergency brake/rope gripper		
01	Emergency stop switch	24	Hall button station	43	Controller—selector	67	Communication	
02	Alarm system	25	Indicators	44	Reverse phase relay	68	Maintenance log	
03	Car phone	26	Car door restrictor	45	Traction sheave	69	Code data plate	
04	Car enclosure	Top of Car	46	Governor	70	Pit		
05	Side emergency exit	27	Top emergency exit cover	47	Governor switch	71	Pit	
06	Car door/gate	28	Governor release carrier	48	Drum	72	Pit light	
07	Car door/gate contact	29	Door hangers & connectors	49	Pump unit	73	Pit stop switch	
08	Door reopening device	30	Door operator	50	Drum machine limit SW	74	Car guide-rails & brackets	
09	Car sill to hatch sill	31	Normal limits	51	Generator	75	Cwt guide-rails & brackets	
10	Car floor	32	Final limits	52	Slack rope switch	76	Buffers	
11	Car door gibs	33	Guide shoes/roller guides	53	Hoist cables	77	Car safety & tail rope	
12	Car button station	34	Counterweight	54	Governor ropes	78	Underside platform	
13	Car lighting	35	Hoistway	55	Car counterweight rope	79	Tension weight	
14	Emergency lighting	36	Electrical wiring	56	Drum counterweight rope	80	Comp/chains/ropes/switch	
15	Car mirror	37	Pipes and ducts	57	Hoist machine	81	Counterweight runby	
16	Certificate frame	38	Overhead & deflector sheave	58	Hoist motor	82	Counterweight runby signage	
Hoistway	17	Hoistway doors	39	Traveling cable & junction	59	Worm/gear/bearings	83	Plunger gripper
18	Hoistway door gibs	40	Car top	60	Machine brake	61	Miscellaneous	
19	Hoistway door reinforcements	Machine Room	41	Machine room	62	Lighting machine space	84	Entire device
20	Hoistway door safety retainer	42	Machine room	63	Machine disconnect SW	64	Miscellaneous	
21	Vision panel	43	Machine room	65	Unintended car movement	66	Miscellaneous	
22	Interlocks	44	Machine room	67	Unintended car movement	68	Miscellaneous	

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		