

Hydraulic Elevator Periodic Test Form

A17.1-2019

Building Name:		Building Address:	
Elevator Service Company:		Elevator Manufacturer:	
MOA Tag #:	Elevator #:	Serial #:	Original Code:
Rated Capacity:	Rated Speed:	Operating Speed:	Working Pressure:
Name of Mechanic:		Date of Tests:	

HYDRAULIC - Category 1 Tests

Requirement	Test Description	Test Results			Date of Deficiency Correction & Other Test Notes
8.6.5.14.1	Relief Valve Setting & System Pressure Test	PASS	FAIL	N/A	/ Relief Pressure:
8.6.5.14.3(l)	Top Runby Overtravel on Stop-Ring	PASS	FAIL	N/A	/Top Runby:
8.6.5.14.2	Hydro Cylinders & Pressure Piping	PASS	FAIL	N/A	
8.6.5.14.3(a)	Normal Terminal Stopping Devices	PASS	FAIL	N/A	
8.6.5.14.3(b)	Governors	PASS	FAIL	N/A	
8.6.5.14.3(c)	Safeties	PASS	FAIL	N/A	
8.6.5.14.3(d)	Oil Buffers	PASS	FAIL	N/A	
8.6.5.14.3(e)	Firefighters' Emergency Operation	PASS	FAIL	N/A	
8.6.5.14.3(g)	Power Operation of Door System (Sequence of Operation / Bi Parting Doors)	PASS	FAIL	N/A	
8.6.5.14.3(h)	Emergency Terminal Speed-Limiting Device	PASS	FAIL	N/A	
8.6.5.14.3(h)	Emergency Terminal Stopping Device	PASS	FAIL	N/A	
8.6.5.14.3(i)	Low Oil Protection Operation	PASS	FAIL	N/A	
8.6.5.14.3(j)	Auxiliary Power Lowering Device	PASS	FAIL	N/A	
8.6.5.14.4	Flexible Hose and Fitting Assemblies	PASS	FAIL	N/A	
8.6.5.14.5	Pressure Switch	PASS	FAIL	N/A	
8.6.5.14.6	Power Operation of Door System (Closing Force & Kinetic Energy)	PASS	FAIL	N/A	
8.6.5.14.7	Slack-Rope Device	PASS	FAIL	N/A	
8.6.5.14.8	Earthquake Operation	PASS	FAIL	N/A	
8.6.5.14.9	Testing of Alternative arrangements & A17.7 Conforming Equipment	PASS	FAIL	N/A	
8.6.5.14.10	Functional Safety of SIL Rated Devices	PASS	FAIL	N/A	
8.6.5.14.3(j)	Emergency Communication / Alarm / Light	PASS	FAIL	N/A	
8.6.5.14.3(k)	Means to Restrict Hoistway or Car Door Opening	PASS	FAIL	N/A	
8.6.5 / 8.6.4.13	Hoistway door Systems (Proper Function & compliance Examination)	PASS	FAIL	N/A	

HYDRAULIC - Category 5 Tests

Requirement	Test Description	Test Results			Date of Deficiency Correction	Other Recorded Data
8.6.5.16.1	Governors	PASS	FAIL	N/A		Overspeed Switch Trips: _____ fpm Governor Trips at: _____ fpm
8.6.5.16.1	Safeties (Type _____)	PASS	FAIL	N/A		Recorded Slide minus Shoe: _____ In.
8.6.5.16.1	Governor Pull-Through	PASS	FAIL	N/A		Pull-through force: _____ lbf
8.6.5.16.1	Governor Pull-Out	PASS	FAIL	N/A		Pull-out force: _____ lbf
8.6.5.16.1	Oil Buffers	PASS	FAIL	N/A		
8.6.5.16.2	Coated Ropes (magnetic flux test)	PASS	FAIL	N/A		
8.6.5.16.3	Wire Rope Fastenings	PASS	FAIL	N/A		
8.6.5.16.4	Plunger Gripper	PASS	FAIL	N/A		Plunger gripper set to trip at: _____ fpm
8.6.5.16.5	Overspeed valve	PASS	FAIL	N/A		Overspeed valve set to trip at: _____ fpm
8.6.5.16.6	C2 Class Loading Test	PASS	FAIL	N/A		
8.6.5.14.3(f)	Standby/Emergency Power Operation	PASS	FAIL	N/A		

* ASME A17.1 Safety Code for Elevators and Escalators and MOA Local Amendment 23.75.8.11.1.1.2 require periodic tests of elevator equipment, to be performed and recorded by elevator personnel. The equipment owner is responsible for ensuring that all tests are completed within the time lines established by these requirements, and that the test log is kept in the elevator machine room/control room or machine space/control space, as is applicable to each conveyance. The test form must remain as a permanent part of the elevator history, like the maintenance control program documents (MCPD).