



SAFETY BULLETIN



Safety Alert Number: **000023**

Issued April 14, 2023 by Peter McClare, Chief Inspector, Elevators, Lifts & Amusements
Department of Labour, Skills and Immigration

Subject:

Replacement of Hydraulic Control Valves

Legal information

The adopted code is ASME A17.1-2019/CSA B44-19.

3. The code requirements for replacement of hydraulic valve replacement are;

a. Alteration Section 8.7.3.24. Tests shall be performed as specified
in 8.10.3.2.2 (t), (u), (v), (y) and 8.10.3.2.3 (cc)

b. Acceptance Section of the code states 8.10.3.3.2 (o) Where an existing control valve is replaced or where relief or check valves or the supply piping and fittings are replaced with a valve of a different type see 8.10.3.2.3(cc) Car Speed [3.28.1(k)]. The speed of the car shall be verified with rated load and with no load, in both directions (Item 3.30 ASME A17.2).

Summary

This information bulletin is to clarify the testing requirements for newly replaced hydraulic control valves.

Requirements:

Replacement of any hydraulic control valve shall be tested as follows:

Where a control valve is replaced with either a valve of a different make and model, **or** a valve of the same make and model, the speed of the car shall be verified with rated load and with no load, in both directions.

Procedure:

When hydraulic control valve is replaced the **Hydraulic Elevator Control Valve Replacement Test Declaration** document, located on the [Elevators and Lifts | novascotia.ca](http://novascotia.ca) webpage must be completed by the elevator contractor and sent to Nova Scotia Technical Safety within 24-hours of the replacement to ELA@novascotia.ca.

Authority to Seal the Relief Pressure:

A temporary seal is required to be placed on the relief pressure setting once a procedure is completed by an elevator contractor. Only a Technical Safety Elevators and Lifts Inspector is permitted or can give permission to remove a temporary seal and replace it after confirmation of documentation has been received by Nova Scotia Technical Safety.

Contact Us

Safety Branch
Labour, Skills and Immigration
SafetyBranch@novascotia.ca
1-800-952-2687

**Hydraulic Elevator Control Valve
Replacement Test Declaration**

Completed declarations must be sent to ELA@novascotia.ca.

General	Date:	Elevator #:	# Floors:
	NSIN #:	Class: Passenger Freight	
	Building Name:		
	Address:		
	City:		
	Owner:	Speed:	Capacity:

Hydraulic Tests	Working Pressure posted in Machine Room? Yes No Full Load Working Pressure: _____ psi
	Relief Pressure _____ psi
	Was the Stop Ring engaged during relief pressure test? Yes No
	Is there provision for the Relief Valve to be sealed? Yes No
	Bypass Pressure Tested? (Note The valves bypass pressure test is a different test and not to be confused with the relief pressure test) Yes No
	Is the hydraulic control valve is the same type and manufacturer as the original? Yes No
	If the hydraulic control valve is not the same type and or manufacturer provide details, the valve type and manufacturer here:
	Has all the manufacturers installation and testing instruction been followed and completed? Yes No
	Explain items Marked as NO above:

Contractor performing tests:

Name of Mechanic:	Signature:	Date:
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Your signature or electronic signature on this form constitutes your legally binding representation that the work herein referred to complies with all applicable regulations, codes, and standards. This form must be submitted to Nova Scotia Technical Safety at ELA@novascotia.ca. Repair and replacement activities shall be recorded in accordance to ASME 17.1/CSA B44 Safety Code for Elevators and Escalators.

Nova Scotia Technical Safety ONLY		
NS Inspector	Signature:	Date Valve Sealed