



Safety Directive Number: **00007**

Issued August 29, 2023 (**updated from Safety Order issued May 12<sup>th</sup>, 2015**)  
by Peter McClare, Chief Inspector, Elevators, Lifts & Amusements  
Department of Labour, Skills and Immigration

## **Single Bottom Cylinder Safety Order – Hydraulic Elevators with buried jacks with single bulkhead cylinders – 2<sup>nd</sup> Notice**

**The purpose of this letter is to serve as a reminder of the Safety Order issued by this department on August 20, 2014**

### **Summary**

#### **Important Notice to Owners**

Buried cylinders with single bottoms found on older model hydraulic elevators can fail catastrophically and cause injury to riders and significant environmental damage.

Potential affected units were installed prior to the 1977 code requirements for buried hydraulic cylinders to have safety bulkheads.

### **Directive**

**PLEASE NOTE: All elevators with buried single bottom cylinders shall comply with one of the following options on or before September 30<sup>th</sup>, 2016.**



# DIRECTIVE



1. Be equipped with a car safety or
2. Be equipped with a plunger gripper or
3. Replace the existing single bottom cylinder with a new double bulkhead cylinder complete with a method of corrosion protection.

## Interim and Ongoing Safety Measures

Oil loss monitoring must be strictly adhered to as per the A17.1/CSA B44 Safety Code for Elevators and Escalators requirements on a monthly basis for all potential buried single bottom cylinders.

## Compliance

The building owner(s) shall supply this department with a compliance plan which shall contain the following information:

- a. Identify the elevator with its correct NSIN number
- b. State the method by which your hydraulic elevator will be brought into compliance
- c. State the date by which your hydraulic elevator is expected to be brought into compliance
- d. Identify the Registered Elevator Contractor who will perform the work to bring your hydraulic elevator into compliance

OR

- e. State that this safety order is not applicable for one of the following reasons:
  - i. The equipment has been upgraded and is compliant
  - ii. The equipment is a double bottom cylinder (safety bulkhead)

Documentation from a Registered Elevator Contractor or the original elevator manufacturer will be required to prove the above.

**Upon completion of the necessary work to comply with this order, an inspection by this department is required.**

**Please note this is a mandatory order, therefore failure to comply with this order will result in this department removing the affected elevator from service.**

## Contact us

Safety Branch - [SafetyBranch@novascotia.ca](mailto:SafetyBranch@novascotia.ca), 1-800-952-2687

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