

CSA B335 Safety Standard for lift trucks



****This document provides highlights of the Newfoundland and Labrador Occupational Health and Safety Regulations and the CSA standard applicable to Lift Trucks. The reader is responsible for obtaining these two current documents and understanding all of the requirements therein**

1. The importance of a **hazard assessment** for all jobs.

There is a requirement that the user shall identify all hazards associated with the use of forklifts in the workplace. Both workers and supervisors should be involved in the hazard identification process.

Operation and maintenance

251.(3) The design, fabrication, use, inspection and maintenance of mobile equipment shall meet the requirements of the following applicable standard or other standards acceptable to the minister:

Equipment	Applicable Standard
Lift Truck and Associated Operator training	CSA Standard B335 "Safety Standard for Lift Trucks"

CSA Standard B355 Safety Standard for lift trucks. Part 4 Sections 4.4 Hazard identification (this would be a part of the lift truck safety program under section **4.3 Safety program CSA Standard B335 Safety Standard for lift trucks**)

2. **Training** – all workers who operate lift trucks (forklift, electric pallet jacks, etc..) must be trained.

Operation and maintenance

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Equipment	Applicable Standard
Lift Truck and Associated Operator training	CSA Standard B335 "Safety Standard for Lift Trucks"

CSA Standard B355 Safety Standard for lift trucks. Part 6 Sections 6.1-6.22, Operator Training Requirements

- Retraining** – all workers who operate lift trucks (forklift, electric pallet jacks, etc.) must be retrained at intervals not exceeding three (3) years.

Operation and maintenance

251.(3) The design, fabrication, use, inspection and maintenance of mobile equipment shall meet the requirements of the following applicable standard or other standards acceptable to the minister:

Equipment	Applicable Standard
Lift Truck and Associated Operator training	CSA Standard B335 "Safety Standard for Lift Trucks"

CSA Standard B355 Safety Standard for lift trucks. Part 6 Sections 6.21.1 Retraining



Qualifications of the lift truck trainer are set out in the [CSA Standard B355 Safety Standard for lift trucks. Part 7 Sections 7.1 to 7.5](#)

- Seat Belts-** all operators shall wear a seat belt while operating a forklift if the forklift is designed to have a seat belt.
Suitable seating- all forklifts that have a seat shall be in good repair

Seating and standard requirements

266.(1) A well designed and constructed, safely located and securely mounted seat and seat belt or other safe facilities shall be provided for the operator of powered mobile equipment and a passenger.

266.(4) Where mobile equipment is equipped with seat belts, in conformity with these regulations or other applicable federal or provincial legislation, the installations shall be maintained and they shall be worn by the equipment operator and passengers at all times while the equipment is in motion, or when operated in a stationary mode.



- Operating manual-** operators must know where they can access operating manuals.

Operation and maintenance

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Lift Truck and Associated Operator training	CSA Standard B335 "Safety Standard for Lift Trucks"

CSA Standard B355 Safety Standard for lift trucks. Part 6 Sections 6.4 Operating manual

7. **Inspection, Maintenance and Repairs**- all planned maintenance and inspections must be conducted in accordance with the manufactures specifications. These specifications can typically be found in the owner’s manual.

Maintenance and inspection records must be maintained and available to the operator.

Operation and maintenance

251.(4) Maintenance and inspection records shall be maintained and made reasonably available to the operator and maintenance personnel during work hours.

8. **Types of Inspections** - there are two types of lift truck inspections.

1. **Preoperational Inspections**
2. **Service Report Inspections** (planned maintenance inspection and annual inspection)

Operation and maintenance

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Equipment	Applicable Standard
Lift Truck and Associated Operator training	CSA Standard B335 "Safety Standard for Lift Trucks"

Start of shift inspection

267.(1) An operator shall inspect the mobile equipment before the start of operation on the shift and after that where required to ensure the safe operating condition of the equipment and a defect or other condition affecting the safe operation of the equipment shall be reported immediately to the supervisor or employer.

CSA Standard B355 Safety Standard for lift trucks Part 8 section 8.2.1 Types of inspections
Part 8 Section 8.2.2 Preoperational inspection
Part 8 Section 8.2.3 Service report inspections

9. **Load Rating-** is permanently affixed to the lift truck.

Load ratings

259.(1) Mobile equipment designed and used for lifting, hoisting or similar operations shall have a permanently affixed notation, legible and visible to the operator, stating the rated load of the equipment.

259.(2) A load chart shall be displayed in the operator's cab where the rated load varies with the reach of the equipment.

CSA Standard B355 Safety Standard for lift trucks. Part 4 Sections 4.8.7.3

10. **Protective Structures** – operator is protected against falling or flying objects.

- Directive can be issued under Part XII- Powered Mobile Equipment Section 260.(1).

Operative protective structures

260.(1) An equipment operator shall be protected against falling, flying or intruding objects or materials by means of a suitable cab, screen, grill, deflector or guard that meets the design criteria of the Society of Automotive Engineers applicable recommended practice.

260.(2) A worker shall not remain in the cab of a vehicle while loads are elevated over the cab unless the cab is protected by an adequate overhead guard.

11. **Warning signal device** – lift trucks equipped with signal device, forward horn and/ or reverse alarm.

Warning signal device

255. (1) Mobile equipment shall be equipped with an audible warning signal device as follows:

- (a) where the mobile equipment is capable of a forward speed exceeding 8 kilometres an hour;
- (b) where mobile equipment operates in reverse motion, it shall be equipped with a suitable audible warning device that initiates automatically when the equipment starts to move in reverse and which continues to operate while the equipment is moving in reverse; and
- (c) where the mobile equipment is not capable of speeds greater than 8 kilometres an hour, the minister may, in exceptional circumstances, order the use of an audible warning device.

255.(2) Where an audible warning device referred to in subsection (1) cannot be clearly heard or identified above the noise of other equipment or surrounding noise, another warning device or measure shall be utilized.

CSA Standard B355 Safety Standard for lift trucks.

Part 4 Section 4.8.5 Warning devices

Part 6 Section 6.5 f) Lift truck features and safety equipment; i) visual warning systems; v) audible warning systems

12. **Rear View Mirror**- lift truck is equipped with rear view mirror.

- Directive can be issued under Part XII- Powered Mobile Equipment Section 257.(1).

Rear view mirrors

257. (1) Mobile equipment shall have a mirror providing the operator with an undistorted reflected view to the rear of the mobile equipment or combination of mobile equipment, except as provided in subsection (2).

CSA Standard B355 Safety Standard for lift trucks.

Part 6 Section 6.5 f) Lift truck features and safety equipment; iii) mirrors

13. **Fire Extinguisher**- lift truck is equipped fire extinguisher.

Operation and maintenance

251. (6) Adequate and approved fire suppression equipment shall be provided where required by the minister.

CSA Standard B355 Safety Standard for lift trucks.

Part 6 Section 6.5 f) Lift truck features and safety equipment; iv) fire extinguisher

14. **Attachments** – forks are attached as per the manufactures specifications.

Load handling attachments

258. Buckets, forks, booms, hoists and other load handling attachments shall only be installed on mobile equipment as specified by the equipment manufacturer or where certified by a professional engineer for use on the equipment.

15. **Lift truck loads** – the height of the load and securing the load.

Lift truck loads

277. (1) A unitized load transported on a lift truck shall not project a distance greater than half its height above the fork carriage, back rest or back rest extension of the lift truck.

277. (2) No part of a load comprised of loose objects may project above the fork carriage, back rest or back extension of a lift truck.

277. (3) A load which could shift during transportation shall be restrained where shifting would result in the instability of the load or the lift truck.

16. **Emissions** – Lift trucks must be adequately serviced, maintained and emissions testing completed as per the manufacture .

Ventilation

45.(7) Where mobile equipment powered by an internal combustion engine is operated indoors or in an enclosed work area

- (a) the engine shall be adequately serviced and maintained to minimize the concentration of air contaminants in the exhaust to the applicable ACGIH Standards,
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