

**STANDARDS PRESENTATION  
TO  
CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD**

PROPOSED STATE STANDARD,  
TITLE 8, CHAPTER 4

Amend Section 3650 to read as follows:

**§3650. Industrial Trucks. General.**

(a) All new low lift and high lift trucks manufactured after June 26, 1998, shall be labeled as meeting the design and construction requirements of Part III, ASME B56.1-1993, Safety Standard for Low Lift and High Lift Trucks. All low lift and high lift trucks manufactured on or before June 26, 1998, shall be labeled as meeting either the design and construction requirements of the ASME standard indicated above or Part II, of the ANSI B56.1-1975 standard.

(b)(1) Except as provided in subsection (a), industrial trucks manufactured after September 1, 1991 through March 1, 1999 shall have affixed a legible tag or label stating compliance with the following applicable standards or those listed in subsection (b)(2):

NFPA 505-1987, formerly ANSI B56.2-1987, for powered industrial trucks,

UL 583-1984, formerly ANSI B56.3-1977, for electric-battery-powered industrial trucks,

UL 558-1984, formerly ANSI B56.4-1977, for internal combustion engine powered industrial trucks,

ANSI/ASME B56.5-1988 for guided industrial vehicles,

ANSI/ASME B56.6-1987 for rough terrain forklift trucks,

ANSI/ASME B56.7-1987 for industrial crane trucks,

ANSI/ASME B56.8-1988 for personnel and burden carriers,

ANSI/ASME B56.9-1987 for operator controlled industrial tow tractors.

(2) Except as provided in subsection (a), industrial trucks manufactured after March 1, 1999 shall have affixed a legible tag or label stating compliance with the following applicable standards:

NFPA 505-1987, formerly ANSI B56.2-1978, for powered industrial trucks,

UL 583-1991, for electric-battery-powered industrial trucks,

UL 558-1991, for internal combustion engine powered industrial trucks,

ASME B56.5-1993, for guided industrial vehicles and automated functions of manned industrial vehicles,

ASME B56.6-1992, for rough terrain forklift trucks,

ANSI/ASME B56.7-1987, for industrial crane trucks,

ASME B56.8-1993, for personnel and burden carriers,

ASME B56.9-1992, for operator controlled industrial tow tractors.

(3) All name plates and model number, type designation and load capacity markings on industrial trucks, shall be maintained in a legible condition by the employer.

(c) Industrial trucks shall be designed, constructed and maintained in accordance with the applicable standards specified in subsections (a) and (b) of this section.

~~(e)~~(d) If the truck is equipped with front-end attachments other than factory installed attachments, the truck shall be marked to identify the attachments and show the approximate weight of the truck and attachment combination, and capacity of the truck and attachment combination at maximum elevation of the load engaging means with the load laterally centered.

**STANDARDS PRESENTATION  
TO  
CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD**

Attachment No. 1

Page 2 of 3

PROPOSED STATE STANDARD,  
TITLE 8, CHAPTER 4

~~(d)~~(e) Major modifications and structural changes to high lift trucks, industrial trucks and rider trucks that affect the capacity and safe handling of the vehicles shall not be performed by the employer or user without prior written approval from the manufacturer unless the modification is designed, manufactured, and installed in accordance with recognized good engineering and manufacturing principles. The capacity, operation and maintenance instruction plates shall be changed accordingly.

~~(e)~~(f) Industrial trucks originally approved for the use of gasoline for fuel may be converted to liquefied petroleum gas fuel provided the complete conversion results in a truck which embodies the features specified for LP or LPS designated trucks as defined in Chapter 1-3, of NFPA 505-1987, which is herein incorporated by reference. Such conversion equipment shall be approved.

(1) When a conversion kit is installed, the original type designation shall be removed or obliterated and replaced with a durable, corrosion-resistant plate permanently mounted on the truck indicating the type designation of the converted truck.

~~(f)~~(g) Powered industrial trucks shall not be operated in atmospheres containing more than 20 percent of the Lower Explosive Limit of flammable gas or vapor unless approved for the area as provided in ~~(g)~~(h).

NOTE: Concentrations below 20 percent of the Lower Explosive Limit may still require mandatory use of air-supplied respiratory protection. (See Section 5144.)

~~(g)~~(h) Only industrial trucks approved for the exposure may be operated in atmospheres containing hazardous quantities of combustible dusts and ignitable fibers. Approval and area designation shall be based on NFPA 505-1982 with appropriate labeling.

(1) Approved trucks shall bear a permanent legible label or some other identifying mark indicating approval by the testing laboratory.

~~(h)~~(i) When industrial trucks operate in areas where general lighting is less than 2 footcandles per square foot, directional lighting shall be provided on the truck.

~~(i)~~(j) Trailers disconnected from their tractor shall be secured to prevent them from up-ending during loading or unloading operations. This may require utilization of auxiliary jacks designed for that purpose.

~~(j)~~(k) Industrial trucks shall not be operated in areas that expose the operator to the hazard of collision with overhead obstructions unless the truck is equipped with overhead guards. (See Section 3655.)

~~(k)~~(l) Loads of excessive width, length or height shall be so balanced, braced, and secured as to prevent tipping and falling.

~~(l)~~(m) Batteries installed in trucks shall be secured in suitable racks which are secured to the truck.

~~(m)~~(n) Motorized hand and hand/rider trucks shall be designed so that the brakes are applied and the power to the drive motor shut off when the operator releases his grip on the control tongue, or the device used to control travel.

**STANDARDS PRESENTATION  
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CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD**

PROPOSED STATE STANDARD,  
TITLE 8, CHAPTER 4

EXCEPTION: Vehicles designed for use in order picking operations are exempt from the braking requirements, provided the speed of the vehicle does not exceed 3.5 mph while the operator is walking the vehicle.

~~(n)~~(o) Radio remote control vehicles shall be equipped with positive means which restrict the speed of the vehicle to 3.5 mph while the equipment is being operated with radio remote control.

~~(o)~~(p) Steering knobs shall not be used unless the truck is equipped with power steering.

~~(p)~~(q) When cargo is being towed on pipe trucks or similar equipment, a safe means shall be provided to protect the driver from sliding loads.

~~(q)~~(r) Counterweights shall be so affixed that they cannot be accidentally dislodged.

~~(r)~~(s) Forks, fork extensions and other attachments shall be secured so that they cannot be inadvertently dislodged, and shall be used only in accordance with the manufacturer's recommendations.

~~(s)~~(t) Industrial trucks and tow tractors shall be operated in a safe manner in accordance with the following operating rules:

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NOTE: Authority cited: Section 142.3, Labor Code. Reference: Section 142.3, Labor Code.