

EXPRESS TERMS

CALIFORNIA CODE OF REGULATIONS TITLE 8. INDUSTRIAL RELATIONS DIVISION 1. DEPARTMENT OF INDUSTRIAL RELATIONS

This document uses strikeout and underline to specify text changes. If using assistive technology, please adjust your settings to recognize underline, strikeout, and ellipsis.

Legend:

*Text in single underline is proposed new text.

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SUBCHAPTER 7. GENERAL INDUSTRY SAFETY ORDERS GROUP 4. GENERAL MOBILE EQUIPMENT AND AUXILIARIES ARTICLE 25. INDUSTRIAL TRUCKS, TRACTORS, HAULAGE VEHICLES, AND EARTHMOVING EQUIPMENT

Regulation Text – New text should be underlined – ~~deleted text should be strikeout~~

1. Amend Section 3649.

§3649. Definitions.

High-Lift Truck. An industrial truck equipped with a power-operated lifting device used for the transportation, tiering and positioning of loads. As used in this definition, high-lift trucks include riderless high-lift straddle trucks where the employee operates the truck using a moveable steering arm and control handle while standing or walking behind the truck. (Excluded are front-end loaders defined in Section 3666 and tiering conveyors as defined in Article 32.)

Hydrogen Powered Industrial Truck (HPIT). An industrial truck powered by an approved (listed or labeled) hydrogen fuel cell system in accordance with UL 2267 Fuel Cell Power Systems for Installation in Industrial Electric Trucks 3rd edition, 2020 and UL 583, Safety Electric Battery Powered Industrial Trucks, 10th edition, 2020.

Industrial Tow Tractor. A powered industrial vehicle designed primarily to tow nonpowered trucks, trailers, or other mobile loads on roadways or improved surfaces.

NOTE

Authority cited: Section 142.3, Labor Code.

Reference: Section 142.3, Labor Code.

2. Amend Section 3650.

§3650. Industrial Trucks. General.

(a) Industrial trucks manufactured after March 15, 2009, shall be labeled as meeting the design and construction requirements of the following applicable standards which are hereby incorporated by reference:

ANSI/ITSDF B56.1 - 2005, Safety Standard for Low Lift and High Lift Trucks

ANSI/ITSDF B56.5 - 2005, Safety Standard for Guided Industrial Vehicles and Automated Functions of Manned Industrial Vehicles

ANSI/ITSDF B56.6 - 2005, Safety Standard for Rough Terrain Forklift Trucks

ANSI/ITSDF B56.8 - 2006, Safety Standard for Personnel and Burden Carriers

ANSI/ITSDF B56.9 - 2007, Safety Standard for Operator Controlled Industrial Tow Tractors

ANSI/ITSDF B56.10 - 2006, Safety Standard for Manually Propelled High Lift Industrial Trucks

NFPA 505 - 2006, Fire Safety Standard for Powered Industrial Trucks Including Type Designations, Areas of Use, Conversions, Maintenance, and Operations

UL 583 - 1996, Standard for Safety, Electric-Battery-Powered Industrial Trucks

UL 558 - 1996, Standard for Safety, Industrial Trucks, Internal Combustion Engine-Powered

(1) Low lift and high lift HPIT manufactured before [OAL to insert effective date] that the employer can demonstrate are at least as protective as HPIT that are designed and constructed in accordance with ANSI/ITSDF B56.1-2020 and NFPA 2, 2023 will be deemed to be in compliance with the requirements of subsection 3650(a).

(2) Low lift and high lift HPIT manufactured on or after [OAL to insert effective date], shall be labeled or some other equivalent identifying mark indicating the Low Lift and High Lift Truck meets the design and construction requirements set forth in:

(A) ANSI/ITSDF B56.1-2020, "Safety Standard for Low Lift and High Lift Trucks," last issued March 27, 2020, which is incorporated by reference, or the equivalent standard in place at the time the low lift or high lift truck was produced; and

(B) NFPA 2, 2023, "Hydrogen Technologies Code" last issued November 22, 2022, which is incorporated by reference, or the equivalent standard in place at the time the low lift or high lift truck was produced.

(f) Conversion of Industrial Truck

(1) 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.

(4)A) 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.

(2) On or after [OAL to insert effective date] electric-battery-powered low lift or high lift industrial trucks converted to HPITs shall be approved and labeled or some other equivalent identifying mark indicating conformance with the requirements of NFPA 505, 2024, "Fire Safety Standard for Powered Industrial Trucks Including Type Designations, Areas of Use, Conversions, Maintenance, and Operations" last issued September 14, 2023, which is incorporated by reference, or the equivalent standard in place at the time the low lift or high lift HPIT was converted.

(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 (h).

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

(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.

NOTE

Authority cited: Section 142.3, Labor Code.

Reference: Section 142.3, Labor Code.

3. Amend Section 3663.

§3663. Maintenance of Industrial Trucks.

(g) Industrial trucks shall not be altered so that the relative positions of the various parts are different from what they were when originally received from the manufacturer, nor shall they be altered either by the addition of extra parts not provided by the manufacturer or by the elimination of any parts, except as provided in section 3650(f). Additional counterweighting of fork trucks shall not be done unless approved by the truck manufacturer.

~~(h) 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 LPG designated trucks. Such conversion equipment shall be approved.~~

NOTE

Authority cited: Section 142.3, Labor Code.

Reference: Section 142.3, Labor Code.