

## Powered Industrial Trucks Safety Checklist

This safety checklist will help employees and supervisors follow minimal safety practices. This list is not meant to be comprehensive nor is it meant to form part of any official self-assessment practice. Where appropriate, local safety offices and supervisors are encouraged to add to these checklists. Relevant references are noted after each question. These regulations apply only to installations or equipment used on temporary and permanent job sites.

<b>General</b>	<b>OK</b>	<b>Action Needed</b>
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Do industrial trucks acquired after Feb. 15, 1972 meet the design requirements in "American National Standard for Powered Industrial Trucks, Part II, ANSI B56.1-1969?" 29 CFR 1910.178 (a) (2)	----	-----
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Has the manufacturer provided written approval for modifications that affect the capacity and safety operations of the equipment? 29 CFR 1910.178 (a) ( 4)	----	-----
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Do industrial trucks have labels designating approval for use in various hazardous and/or nonhazardous locations? 29 CFR 1910.178 (a) (3) and (7)	----	-----
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**Designations**

Are supervisors and procurers of equipment aware of the eleven designations of industrial trucks or tractors (D, DS, DY, E, ES, EE, EX, G, GS, LP, and LS)? 29 CFR 1910.178 (b)	----	-----
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**Designated Use of Requirements**

Are supervisors and operators knowledgeable about the use of industrial trucks in various locations? 29 CFR 1910.178 (c) (1)	----	-----
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**Fuel Handling and Storage Requirements**

Is the storage and handling of liquid fuels in accordance with NFPA Flammable and Combustible Liquids Code (NFPA No. 58-1969)? 29 CFR 1910.178 (f) (1)	----	-----
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Is the storage and handling of liquefied petroleum gas fuel in accordance with NFPA Storage and Handling of Liquefied Petroleum Gases (NFPA No. 58-1969)? 29 CFR 1910.178 (f) (2)	----	-----
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**Changing and Charging Storage Batteries**

Are battery-charging installations located in areas designated for that purpose? 29 CFR 1910.178( g) (1)	----	-----
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Are facilities provided for flushing and neutralizing spilled electrolyte? 29 CFR 1910.178 (g) (2)	----	-----
Are facilities provided for adequate ventilation for dispersal of fumes from gassing batteries? 29 CFR 1910.178 (g) (2)	----	-----
Is proper handling equipment (conveyor and hoists) provided for handling batteries? 29 CFR 1910.178 (g) (4)	----	-----
Is a carbon filter or siphon provided for handling electrolyte? 29 CFR 1910.178 (g) (6)	----	-----
Is care taken to ensure that vent caps are functioning when charging batteries? Note: The battery (or compartment) cover(s) shall be open to dissipate heat. 29 CFR 1910.178 (g) (9)	----	-----
Is smoking prohibited in the charging area? 29 CFR 1910.178 (g) (10)	----	-----
Are precautions taken to prevent open flames, sparks, or electric arcs in battery-charging areas? 29 CFR 1910.178 (g) (11)	----	-----
Are tools and other metallic objects kept away from the tops of uncovered batteries? 29 CFR 1910.178 (g) (12)	----	-----
Dockboards (bridge plates)		
Are portable and powered dockboards strong enough to carry the load imposed on them? 29 CFR 1910.30 (a) (i)	----	-----
Are portable dockboards secured in position, either by being anchored or equipped with devices that will prevent slippage? 29 CFR 1910.30 (a) (2)	----	-----
Are handholds or other effective means provided on portable dockboards to ensure safe handling? 29 CFR 1910.30 (a) (4)	----	-----
Is positive protection provided to prevent railroad cars from being moved while dockboards or bridge plates are in position? 29 CFR 1910.30 (a) (5)	----	-----

Trucks and Railroad Cars

Do trucks have positive protection to prevent them from moving during loading or unloading?  
29 CFR 1910.178 (k) (1) -----

Are wheel stops or other recognized positive protection provided to prevent railroad cars from moving during loading or unloading?  
29 CFR 1910.178 (k) (2) -----

Are fixed jacks available to support a semi-trailer and prevent upending during the loading or unloading when the trailer is not coupled to a tractor?  
29 CFR 1910.178 (k)( 3) -----

Operator Training

Are only trained and authorized operators permitted to operate a powered industrial truck?  
29 CFR 1910.178 (l) -----

Truck Operations

Is it prohibited for a person to stand or pass under the elevated portion of any truck, whether loaded or empty?  
29 CFR 1910.178 (m) (2) -----

Are unauthorized personnel prohibited from riding on powered industrial trucks?  
29 CFR 1910.178 (m) (3) -----

Is it prohibited for arms or legs to be placed between the uprights of the mast or outside the running lines of a truck?  
29 CFR 1910.178 (m) (4) -----

Is it required for load-engaging means to be fully lowered, controls neutralized, power shut off, and brakes set when a powered industrial truck is left unattended?  
29 CFR 1910.178 (m) (5) (i) -----

Is it required to maintain a safe distance from the edge of ramps or platforms while on any elevated dock, platform, or freight car?  
29 CFR 1910.178( m) (6) -----

Is an overhead guard used as protection against falling objects?  
29 CFR 1910.178 (m) (9) -----

Is a load backrest extension used whenever necessary

to minimize the possibility of the load or part of  
it from falling backward? -----  
29 CFR 1910.178 (m) (10)

Are only approved industrial trucks used in  
hazardous locations? -----  
29 CFR 1910.178 (m) (11)

Traveling

Is it required that all traffic regulations be  
observed, including authorized plant speed limits? -----  
29 CFR 1910.178 (n) (1)

Is it required to yield the right of way to  
ambulances, fire trucks, or other vehicles  
in emergency situations? -----  
29 CFR 1910.178 (n) (2)

Is it required that drivers not pass other trucks  
traveling in the same direction at intersections,  
blind spots, or other dangerous locations? -----  
29 CFR 1910.178 (n) (3)

Is it required that drivers slow down and sound the  
horn at cross aisles and other locations where  
vision is obstructed? -----  
29 CFR 1910.178 (n) (4)

Is it required that railroad tracks shall be  
crossed diagonally, wherever possible? -----  
29 CFR 1910.178 (n) (5)

Is it required that when ascending or descending  
grades that exceed 10 percent loaded trucks be  
driven with the load upgrade? -----  
29 CFR 1910.178(n) (7) (i)

Is it required that on all grades the load and  
load-engaging means be tilted back,  
if applicable, and raised only as far as necessary  
to clear the road surface? -----  
29 CFR 1910.178 (n) (7)( iii)

Is it required that under all travel conditions  
the truck be operated at a speed that will permit  
it to stop in a safe manner? -----  
29 CFR 1910.178 (n) (8)

Is stunt driving and horseplay prohibited? -----  
29 CFR 1910.178 (n) (9)

Are dockboards or bridge plates properly secured  
before they are driven over? -----  
29 CFR 1910.178 (n) (11)

Is it required that elevators be approached slowly,  
and then entered squarely after the elevator car  
is properly leveled? -----  
29 CFR 1910.178 (n) (12)

Is it required that motorized hand trucks enter  
elevators or other confined areas with load end  
forward? -----  
29 CFR 1910.178 (n) (13)

#### Loading

Are drivers instructed that only stable or safely  
arranged loads be handled? -----  
29 CFR 1910.178 (o) (1)

Are drivers instructed that only loads within the  
rated capacity of the truck shall be handled? -----  
29 CFR 1910.178 (o) (2)

Is a load-engaging means placed under the load as  
far as possible? -----  
29 CFR 1910.178 (o) (5)

Are drivers required to use extreme care when  
tilting the load forward or backward, particularly  
when high tiering? -----  
29 CFR 1910.178 (o) (6)

#### Operation of the Truck

Are personnel instructed that fuel tanks not be  
filled while the engine is running? -----  
29 CFR 1910.178 (p) (2)

Is it required that spillage of oil or fuel be  
carefully washed away or completely evaporated and  
the fuel tank cap replaced before restarting the  
engine? -----  
29 CFR 1910.178 (p) (3)

Is it prohibited for a truck to be operated with  
a leak in the fuel system until the leak  
has been corrected? -----  
29 CFR 1910.178 (p) (4)

Is it prohibited for open flames to be used for  
checking electrolyte level in storage batteries or  
gasoline level in fuel tanks? -----  
29 CFR 1910.178 (p) (5)

#### Maintenance of Industrial Trucks

Is it required that no repairs be made in Class I,  
II, and III locations? -----  
29 CFR 1910.178 (q) (2)

Is it required that repairs to the fuel and  
ignition systems of industrial trucks, which involve  
fire hazards, be conducted only in locations  
designated for such repairs? -----  
29 CFR 1910.178 (q) (3)

Is it required that trucks in need of repairs to  
the electrical system have the battery disconnected  
before such repairs are made? -----  
29 CFR 1910.178 (q) (4)

Is it required that industrial trucks not be altered  
without the manufacturer's approval? -----  
29 CFR 1910.178 (q) (6)

Is it required that industrial trucks be examined  
before being placed in service? -----  
29 CFR 1910.178 (q) (7)

Is it required that water mufflers be filled daily  
or as frequently as necessary to prevent depletion  
of the water supply below 75 percent of the filled  
capacity? -----  
29 CFR 1910.178 (q) (8)

Is it required that vehicles with mufflers and  
screens or other parts that may become clogged not  
be operated while such screens or parts are clogged? -----  
29 CFR 1910.178 (q) (8)

Is it required that any vehicle that emits hazardous  
sparks or flames from the exhaust system be  
immediately removed from service and not returned to  
service until the cause for the emission of such  
sparks and flames has been eliminated? -----  
29 CFR 1910.178 (q) (8)

Is it required that when the temperature of any  
part of any truck is found to exceed its normal  
operating temperature, thus creating a hazardous  
condition, the vehicle be removed from service and  
not be returned to service until the cause for such  
overheating has been eliminated? -----  
29 CFR 1910.178 (q) (9)