

FORKLIFT POWERED INDUSTRIAL TRUCK

Operator Safety Training Study Guide



Forklift PIT – Operator Safety Study Guide

1. OSHA PIT Regulatory Requirements

Forklift powered industrial truck safety requirements are covered under OSHA Standard Number _____.

According to OSHA, a forklift powered industrial certification must include:

Operators must be evaluated every _____ years.

Forklift PIT refresher safety training is needed if: (Place check mark next to all correct answers)

- a. Operator is operating PIT unsafely
- b. Accident or near-miss incident occurs
- c. Operator is assigned different type of PIT
- d. Changes in the workplace
- e. Operator fails an evaluation

Why does OSHA require specific forklift safety training?

- a. _____
- b. _____
- c. _____
- d. _____

2. Forklift PIT Statistics

On average there is _____ forklift PIT fatality every _____ days.

_____ of all forklift PIT accidents are due to rollovers.

_____ of all forklift PIT related deaths are pedestrians.

According to OSHA, 70% of all forklift PIT related accidents could have been _____.

How can we prevent forklift PIT related accidents? (Place a check mark next to the correct answers)

- a. Regularly assess the workplace to identify and control potential forklift PIT hazards.
- b. Implement a forklift PIT training program as required by OSHA standards.
- c. Terminate employees on the spot for operating a PIT forklift unsafely.

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3. PIT Classifications

Write in the letter of class that corresponds with the correct type of forklift. The first one has been completed.

a.	Class I		Internal Combustion Engine Trucks (Pneumatic Tires)
b.	Class II		Rough Terrain Forklift Trucks
c.	Class III		Electric and Internal Combustion Engine Tractors
d.	Class IV		Internal Combustion Engine Trucks (Cushion Tires)
e.	Class V	a.	Electric Motor Rider Trucks (Cushion or Pneumatic)
f.	Class VI		Electric Motor Hand Trucks or Hand/Rider Trucks
g.	Class VII		Electric Motor Narrow Aisle Trucks

Which of the following equipment is covered on the OSHA 1910.178 PIT standard? (Place check mark next to all correct answers)

- a. Scissor Lift
- b. Front loader with over the bucket forks
- c. Manual pallet jack, non-motorized
- d. Walk behind motorized pallet jack
- e. Narrow aisle lift, order picker

What considerations should be given toward the type of class PIT that will be used in a work environment?

- a. _____
- b. _____
- c. _____

4. Forklift PIT Inspections

When forklift PITs are used on a round-the-clock basis, they shall be examined after each _____.

The _____ is a common area where damage such as surface cracks can occur.

_____ all corrective action items and maintenance work on PITs.

Name four common items to look for when conducting your visual PIT inspection.

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5. Refueling and Recharging

Always _____ engine before refueling or recharging.

Always wear _____ before refueling your Liquid Propane Gas (LPG) forklift. Contact with liquid propane can cause freeze burn.

When you have finished refueling your LPG, you should check for _____ before restarting the engine.

Refueling and charging areas should have a _____ in the event of a fire.

Battery charging areas should have adequate ventilation and an eyewash station with at least _____ minutes of continuous flow.

When servicing a PIT battery, one should always pour _____ into water, never _____ into acid.

Never allow _____ or sparks around refueling or recharging areas.

True or False. You should only conduct refueling or recharging if you have been trained?

6. Safe Operating Practices

When entering or exiting a forklift you should:

- Use a _____ of contact.
- Never _____.
- Keep the steps and floor of the forklift _____ and _____.

If your sit-down forklift is tipping over:

- Never _____ out of the forklift.
- Plant your feet on the forklift's _____.
- Grasp the steering _____
- Lean _____ and _____ from the impact.
- Always wear your _____!

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Which of the following are forklift specific operating challenges? (Place check mark next to all correct answers)

- a. Variable weight
- b. Lack of suspension
- c. Rear-wheel steering
- d. Long stopping distance

Name four safe operating practices when driving a forklift with a load:

Which safe operating practices listed below should be followed when operating with a restricted view? (Place check mark next to all correct answers)

- a. Be aware of your surroundings.
- b. Alert others.
- c. Whenever safe and possible, drive your forklift in reverse with large loads.
- d. Block off area to pedestrians.
- e. Make use of a spotter.

Name four common mistakes that forklift operators should never do:

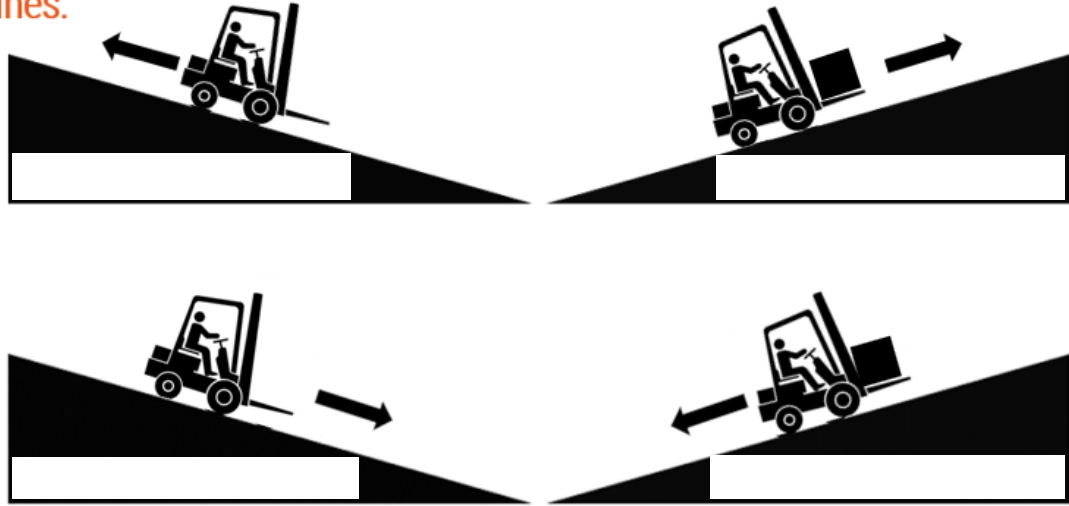
What safety buffer distance is recommended:

- a. Maintain a _____ safety buffer when traveling _____ a load.
- b. Maintain a _____ safety buffer when traveling _____ a load.

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Write in the correct direction of travel when operating a forklift on an incline.

Inclines:



OSHA considers a forklift unattended if it's not in _____ of the operator or if the operator is _____ feet or more away from it.

7. Loading and Unloading Practices

Which of the following safe loading practices listed below should be followed? (Place check mark next to all correct answers)

- a. Examine the material.
- b. Arrange the load for stability.
- c. Place the heaviest items against the back.
- d. St the forks as wide as safely possible.
- e. Never use a counterweight to balance out a load.

When unloading, move your forklift into _____ before raising the _____.

Why should we never allow anyone to walk, stand or pass under a raised load?

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8. The Stability Triangle

A forklift has _____ points of stability which includes the two front tires and the _____ point on the rear axle.

The _____ must remain inside the stability triangle otherwise the forklift will turnover.

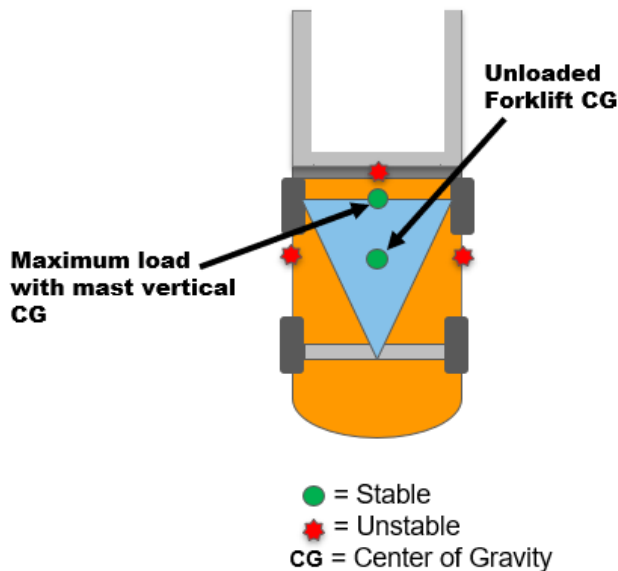
Never drive your forklift with the _____ extended.

Always travel with the _____ as _____ as possible.

Do not _____ debris or objects.

Using the figure below please answer the following questions:

- An unloaded forklift with forks maintained low will keep the center of gravity at the _____ of the stability triangle.
- A forklift with a maximum load and the mast vertical will move the center of gravity to the _____ of the stability triangle.



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9. Load Safety Practices

What factors will cause the forklift to tip over: (Place check mark next to all correct answers)

- a. Driving too fast around corners
- b. Turning with an excessive high raised load
- c. Carrying loads that exceed the forklift rated capacity
- d. Carrying loads with the mast tilted forward

As an operator you should always check: (Place check mark next to all correct answers)

- a. Shipping documentation.
- b. Item or product.
- c. Weights and measures standards
- d. Weight of attachments and accessories.
- e. Products place of origin

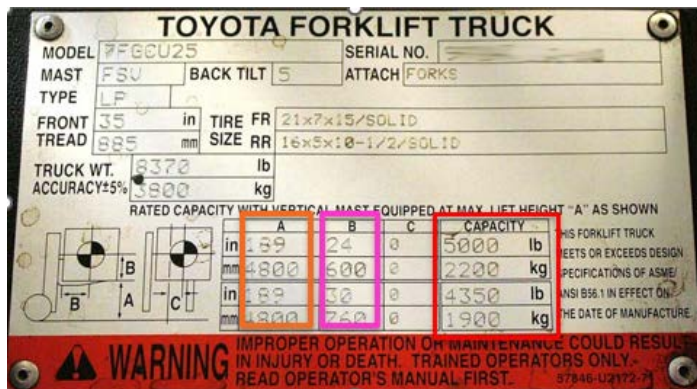
10. Reading Capacity Plates

The capacity plate can be often found on the _____ of the forklift.

What do the capacity plates tell the operator?

If the capacity plate is missing or illegible, immediately pull the vehicle from _____.

Using the example below, if the mast is extended upwards at a max height of 189 inches, and the load center is 30 inches from the mast. The maximum capacity is _____.



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11. Calculating Maximum Load Capacity

The distance from the mast to a load's center of gravity is called the _____.

As the actual load center increases, your maximum load capacity _____.

You should always round maximum load capacity figures _____.

On the sample problem, the distance from the axle to the mast on the forklift is _____ inches.

12. Pedestrian Safety Practices

Why is it important for forklift operators and pedestrians to use eye contact before proceeding?

Always give pedestrians the _____.

Which of the following are pedestrian safety practices: (Place check mark next to all correct answers)

- a. Operators must know where pedestrian traffic areas are located.
- b. Pedestrians must receive safety training.
- c. Separate pedestrians from forklift traffic e.g. by using painted yellow lines, yellow floor tape, barrier systems.
- d. Use convex mirrors at blind intersections.

What should a forklift operator do if his/her back up alarm is not working on their forklift?

Before going through a blind intersection, the forklift operator must _____ and use the _____ before proceeding.

Areas with high forklift traffic should be _____ to pedestrians.

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13. Forklift Attachments and Accessories

All attachments must be approved by the:

- a. Manager
- b. Forklift PIT manufacturer
- c. Co-worker
- d. Department of Transportation

Which of the following are safe practices for using forklift attachments: (Place check mark next to all correct answers)

- a. Know the weight limits of attachment.
- b. Ensure capacity plates are posted on the attachment.
- c. Never attach slings, cables, or chains to the forks.
- d. Read the attachment owners manual

What three items must a work platform be equipped with

- a. _____
- b. _____
- c. _____



When raising someone on a work platform, the operator must remain at the _____ at all times.

Always _____ the work platform before _____ the forklift.