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Purpose
The purpose of this Program is to ensure that using a forklift is implemented as a functional
process at the Institute for eliminating hazards from the workplace in compliance with Cal/OSHA
Title 8, California Code of Regulations (CCR), § 3650. The Program provides employees with
information and guidelines which will help them operate the equipment in compliance with safe
work practices, regulations, and standards, and are properly trained and certified.

Definitions
Authorized Forklift Employee – An employee who has successfully passed a written and in-field
skills test for forklift and industrial lift truck certification.

Data Plate – Manufacturer’s equipment specification and information data, which includes load
rating/lift capacity, lift heights, load center measurements, vehicle weight, and vehicle
attachments.

Electrical Power Jack – An Electrical Powered Lift that the operator walks behind that is made
for carrying palletized material.

Forklift - A forklift is a powered industrial truck used to lift and move materials short distances.

Masts – Part of the fork carriage assembly that the hydraulic lift cylinders are attached which
allows the load to be lifted up and down.

Responsibilities
The Senior Director of Facilities Operations – is responsible for ensuring:
• Individuals under their management have the authority to implement this Program;
• Areas under their management have adequate funding for the implementation and
  maintenance of this program;
• Ensuring that Fork Lift and Industrial Lift Truck practices and procedures are clearly
  communicated and understood by employees through training programs.

The Senior Director of Facilities Services and Integrated Planning – is responsible for ensuring:
• Individuals under their management have the authority to implement this Program;
• Areas under their management have adequate funding for the implementation and
  maintenance of this Program;
• Fork Lift and Industrial Lift Truck practices and procedures are clearly communicated and
  understood by employees through training programs.

The Director of Environment, Health, and Safety – is responsible for:
• Coordination of forklift training and certification for departments; and
• Conduct annual reviews of the Forklift and Industrial Lift Truck Program.
Supervisors – are responsible for:
  • Ensuring that all Authorized Forklift Employees are trained in the significance and purpose of this Forklift and Industrial Lift Truck Program;
  • Ensuring that all Authorized Forklift Employees follow all rules and procedures under the Forklift and Industrial Lift Truck Program;
  • Ensuring that non-Institute personnel are not allowed to operate Institute Forklift and Industrial Lift Trucks;
  • Ensuring that when Forklift and/or Industrial Lift Trucks operate where general lighting is less than 2 foot-candles per square foot, the Forklift and/or Industrial Lift Truck shall be provided with directional lighting;
  • Maintaining, for at least one year, pre-operation checklists and maintenance records for Forklift and Industrial Lift Trucks;
  • Confirming that an employee has placed an out of service tag on the Forklift and/or Industrial Lift Truck’s steering wheel;
  • Ensuring that Authorized Forklift Employees do not operate Forklift and Industrial Lift Trucks that have malfunctioned and have been taken out of service.

Employees – are responsible for:
  • Being trained and certified in Forklift and Industrial Lift Trucks when using Forklift and Industrial Lift Trucks;
  • Performing pre-operation inspections, using the Pre-Operation Checklist (See Appendix A), prior to commencement of work;
  • Placing an out of service tag on the Forklift and/or Industrial Lift Truck’s steering wheel in the event that it does not pass the Pre-Operation Checklist;
  • Notifying their Supervisor of a Forklift and/or Industrial Lift Truck that has not passed the Pre-Operation Checklist; and
  • Immediately notifying their Supervisor of all Forklift and Industrial Lift Truck accidents, incidents, or near misses.

Program Procedures

Pre-Operation Inspection
  1. Employee shall inspect and complete the Pre-Operation Inspection Checklist (See Appendix A) and submit it to the appropriate Institute Supervisor or designated employee.
2. If deficiencies are noted during the Pre-Operation Inspection the employee must place an out of service tag on the Forklift and/or Industrial Lift Truck’s steering wheel.
3. Any deficiencies noted in the Pre-Operation Inspection Checklist must be reported to their Supervisor.

Carrying Loads
1. Check that the load does not exceed the Forklift and/or Industrial Lift Truck’s rated load capacity as stated on the Forklift or Industrial Lift Truck Data Plate.
2. The loads must be safely arranged, stable, and centered prior to a move.
3. Forks should be spread open and locked into place when moving a load.
4. Loads of excessive width, length, or height shall be balanced, braced, and secured to prevent tipping or falling.
5. When carrying loads downgrade the path of travel must be with the load tailing and the load first when going upgrade.

Operating Procedures
1. Before operating the Forklift or Industrial Lift Truck conduct a Pre-Inspection.
2. The operator must wear a seatbelt at all times.
3. Passengers are not allowed on Forklifts and/or Industrial Lift Trucks.
4. Horseplay is not allowed on or around any Forklift and/or Industrial Lift Truck.
5. The operator must not allow anyone to stand or walk underneath the forks.
6. The operator must not elevate anyone with a Forklift or Industrial Lift Truck.
7. The operator must not drive up to anyone standing in front of a fixed object such that the person could be caught between the Forklift or Industrial Lift Truck and the object.
8. Ensure that a Forklift and/or Industrial Lift Truck is not operated with a leak in its fuel system.
9. The operator must keep all body parts within the confines of the Forklift or Industrial Lift Truck.
10. The operator must not operate the Forklift or Industrial Lift Truck on a floor or surface that will not support the weight of the Forklift or Industrial Lift Truck.
11. If the Forklift or Industrial Lift Truck needs to be left unattended (operator is over 25 feet from our out of sight of the Forklift or Industrial Lift Truck), the operator must set the brakes, the mask brought to the vertical position, and the forks are left in the down position or:
   i. The power shall be shut off and, when left on an incline, the wheels shall be blocked: or
   ii. The power may remain on provided the wheels are blocked front and rear.
12. If the operator must park on an incline, the wheels of the Forklift or Industrial Lift Truck must be blocked or chocked.

**Traveling**

1. When traveling with or without a load, the forks must be retracted back and raised as high as necessary to clear the surface traveling on, but no higher than 6 inches from the surface.
2. Grades shall be ascended or descending slowly.
3. Follow all Institute driving policies. Pedestrians must be given the right of way.
4. Maintain a safe driving distance, approximately three truck lengths, from a vehicle ahead of you.
5. Do not pass another vehicle traveling in the same direction.
6. Slow down and sound the horn when approaching places where vision is obstructed.
7. If the load obstructs the forward view, the driver shall travel with the load trailing.
8. Never turn sideways on an incline.

**Training**

**Supervisors**

- Prior to certification a Supervisor may allow an employee to operate a powered Industrial Truck only:
  1. Under the direct supervision of persons who have the knowledge, training, and experience to train operators and evaluate their competence; and
  2. Where such operation does not endanger the employee or other employees.
  3. Training shall consist of a combination of formal instruction (e.g., lecture, discussion, interactive computer learning, video tape, and written material), practical training (demonstrations performed by the trainer and practical exercises performed by the employee) and evaluation of the operator's performance in the workplace.
  4. All operator training and evaluation shall be conducted by persons who have the knowledge, training, and experience to train powered Industrial Truck operators and evaluate their competence.
- Will coordinate with Environment, Health, and Safety in scheduling initial and reoccurring forklift training for their employees that fall under this Program. Reoccurring training will be every three years unless factors mandate more frequent refresher training.
- Will coordinate refresher training, in relevant topics, for their employees when:
  1. The operator has been observed to operate the vehicle in an unsafe manner;
(2) The operator has been involved in an accident or near-miss incident;
(3) The operator has received an evaluation that reveals that the operator is not operating the truck safely;
(4) The operator is assigned to drive a different type of truck; or
(5) A condition in the workplace changes in a manner that could affect safe operation of the truck.
Appendix A: Forklift Pre-Operation Inspection Checklist

Operator ______________________ Date ______________________
Forklift # ______________________ Hour Meter Reading __________

Operator must perform a pre-operation inspection prior to operating the forklift.

Before starting the engine check the following:

<table>
<thead>
<tr>
<th>Visual Inspection</th>
<th>Status</th>
<th>Remarks</th>
<th>Date Corrected</th>
</tr>
</thead>
<tbody>
<tr>
<td>Warning decals, capacity plate, etc. are legible</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Forks/locking pins, carriage, mast (physical damage)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lift System (hydraulic lines, chains, etc.)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wheels, tires, lug nuts</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fuel Tank (secured, connections, hoses, leaks)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Engine Oil (level and leaks)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Transmission (level and leaks)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Engine Belts</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hydraulic Tank (Check for leaks)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Overhead Guard</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Seatbelt</td>
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<td></td>
<td></td>
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<tr>
<td>Other</td>
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<td></td>
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<tr>
<td>Other</td>
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<tr>
<td>Other</td>
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</tbody>
</table>

After starting the engine check the following:

<table>
<thead>
<tr>
<th>Visual Inspection</th>
<th>Status</th>
<th>Remarks</th>
<th>Date Corrected</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine (Listen for unusual sounds)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Check instruments for normal readings</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Exhaust system (excessive smoke)</td>
<td></td>
<td></td>
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<tr>
<td>Wipers, lights, and signals</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Horn and back up alarms</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lift system (lift, tilt, and side shift)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Transmission and clutch</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Brakes</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Steering</td>
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<tr>
<td>Other</td>
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<td>Other</td>
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Forklift and Industrial Lift Truck Program – 2021