

Safe Operating Procedure

(Revised 5/21)

FORKLIFT/POWERED INDUSTRIAL TRUCK SAFETY

Scope

The term *Powered Industrial Truck* (*PIT*) refers to a motorized, power-driven vehicle used to carry, push, pull, lift, stack, or tier material. This definition generally includes vehicles that are commonly referred to as high lift trucks, counterbalanced trucks, cantilever trucks, rider trucks, forklift trucks, high lift platform trucks; low lift trucks, low lift platform trucks; *motorized* hand trucks; narrow aisle rider trucks; high lift order picker rider trucks; and counterbalanced front/side loader lift trucks. *The term PIT does NOT include hand trucks that are not motorized; compressed air or nonflammable compressed gas-operated industrial trucks; vehicles intended primarily for earth moving or over-the-road hauling; or farm vehicles, agricultural tractors, and skid loaders equipped with buckets used to move seed/feed/manure/soil/material. However, operators of vehicles that are excluded must be appropriately trained in safe operation.*

Training

Forklift/Powered Industrial Truck (PIT) operators must be trained before independently operating a PIT, and complete refresher training every three years, or sooner if warranted. Initial PIT training consists of three parts:

- 1. Formal instruction
- 2. Practical training
- 3. Evaluation of operator performance

The formal instruction component is achieved when a trainee completes the EHS **Powered Industrial Truck** Web based training module (http://ehs.unl.edu/onlinetraining). Other options include equivalent training provided by the Nebraska Safety Council, equipment distributors, community colleges, or similar training provider. Departments can use their own training materials, so long as the training materials meet or exceed OSHA's requirements at 29 CFR 1910.178.

Practical training consists of instruction regarding workplace specific factors and conditions, PIT specific considerations (e.g., location of controls, name plate information, warnings, manufacturer's operating instructions, etc.), as well as hands-on exercises of typical vehicle inspections, operations and maneuvers that will be conducted at the specific worksite by the operator. Generally, the trainer will demonstrate proper operation and techniques, followed by the trainee repeating those operations/techniques. This should be with the same or similar equipment that the trainee will be using and in the same or similar location where the employee will be operating the PIT. This is a reiterative process that allows the trainee to achieve competency in safe operation of the PIT. Topics for practical training include:



- ✓ Specific pre-operational checklist for the equipment used.
- ✓ Specific operating instructions, warnings, and precautions as listed in the operator's manual for the specific type of truck the trainee will operate.
- ✓ Surface conditions where the PIT will be operated.
- ✓ Composition and stability of loads to be carried.
- ✓ Load manipulation, stacking, and un-stacking.
- ✓ Pedestrian traffic in areas where the PIT will be operated.
- ✓ Narrow aisles and other restricted places where the vehicle will be operated.
- ✓ Hazardous (classified) locations where the vehicle will be operated.
- ✓ Ramps and other sloped surfaces that could affect the vehicle's stability.
- ✓ Closed environments and other areas where insufficient ventilation or poor vehicle maintenance could cause a buildup of carbon monoxide or diesel exhaust.
- ✓ Other unique or potentially hazardous environment al conditions in the workplace that could affect safe operation.

The evaluation of operator performance portion of training consists of the trainee demonstrating proper and safe operation of the PIT to a trainer. The trainer must have knowledge, training, and experience sufficient to evaluate the trainees performance. Following successful demonstration of competency, the trainee will be considered "certified" to operate the PIT. A trainee must demonstrate satisfactory operation of the specific type of forklift to be used, in the actual space where the trainee will operate the vehicle (or another space that is materially similar so as to accurately reflect the conditions and hazards of the actual area of use), and perform the types of tasks with the types of loads that the trainee will be handling. Employees operating more than one style of PIT will demonstrate their skills with each style of truck. A summary of the individual evaluation topics follows:

- ✓ Proper completion of a pre-operational inspection, method of reporting deficiencies
- ✓ Understanding of and adherence to nameplate information
- ✓ Smooth and proper operation of truck controls, including safe speeds and maintaining body in the safe zone of the PIT
- ✓ Use of attachments
- ✓ Observing proper direction of travel and maintaining a clear view of direction of travel and safely navigating intersections and corners
- ✓ Proper signaling and observation of pedestrian safety
- ✓ Properly approaching, balancing, lifting, maneuvering, traveling with, lowering, stacking, and placing loads
- ✓ Proper parking and disengagement of PIT
- ✓ Proper battery charging or re-fueling, including proper and appropriate PPE use

Appendix D contains a number of forms that can be used to guide and record operator performance evaluations, based on type of PIT. At a minimum, a record of training must include the following information:

- Trainee's name
- Date of formal training
- Source of formal training (e.g., EHS Web-based PIT training)
- Name of trainer conducting the evaluation of operator performance



Date of evaluation of operator performance

Refresher training must include an evaluation of operator performance and, if relevant, formal instruction or practical training. Refresher training must be repeated every three years, or more frequently if:

- The operator has been observed to operate the PIT in an unsafe manner;
- The operator has been involved in an accident or near-miss incident;
- The operator has received an evaluation that reveals that the operator is not operating the truck safely;
- The operator has been assigned to drive a different type of truck, or;
- A condition in the workplace changes in a manner that could affect safe operation of the truck.

A record of refresher training must be maintained. The record shall contain the information described above, along with the reason for refresher training (e.g., 3 year interval, near-miss incident, change in assigned truck type, etc.) and a brief description of formal and practical training that was included, if applicable.

Responsibilities

Supervisors

- Conduct practical training and operator performance evaluations, or designate one or more qualified individuals with appropriate knowledge, training, and experience to perform this function.
- Ensure that all employees under their direction who are designated to operate a PIT are trained, evaluated, and certified prior to independent operation of the equipment.
- Ensure that certification is kept current (e.g., re-evaluation/driving test and refresher training, as applicable).
- Maintain training records. It is recommended that records be maintained for six year or until such time as an employee is no longer assigned to operate a PIT.
- Notify EHS of accidents and near-misses involving PIT operation.
- Ensure that PITs and attachments are appropriate for the use conditions and maintained in safe operating condition. Immediately remove defective equipment from service until repaired or replaced.
- To the extent feasible, reduce operational hazards presented by use location and loads.

Employees

- ✓ Complete all components of training at the required intervals.
- ✓ Conduct pre-operational inspections prior to start of each shift (see Attachment A). Do not operate a PIT that does not successfully pass the pre-operational checklist.
- ✓ Immediately stop operating any defective PIT or attachment and report the situation to the supervisor.
- ✓ Read the manufacturer's operator's manual. Observe all precautions discussed in training and the recommendations of the manufacturer of the PIT.



Environmental Health and Safety

- Maintain PIT support materials (e.g., SOP and web-based training).
- Investigate near misses and accidents involving PITs.
- Advise supervisors and operators, upon request.

General PIT Operational Safety Precautions

- All newer sit-down style PITs in operation at UNL should be equipped with a seatbelt. Older equipment should be retrofitted with a seatbelt, if feasible.
- All newly-acquired PITs should meet the design and construction requirements of the relevant American National Standards Institute standard (Part II, ANSI B56.1), and should bear a label or other identifying mark indicating approval by a nationally recognized testing laboratory. Every effort should be made to replace equipment that does not meet ANSI requirements.
- Modifications to PITs are not allowed without express written approval from the manufacturer, authorized representative, or qualified Professional Engineer (maintain file documentation).
- PITs must have the correct designation (D, DS, DY, E, ES, EE, EX, G, GS, LP, or LPS) for the location of operation, rated for the intended loads, used with approved attachments, and compatible with operating surface load limits.
- Passengers are not permitted on or in the forklift or load. Operators must not put any
 part of their body (e.g., fingers, arms, or legs) between the uprights of the mast, or
 beyond the contour of the forklift.
- Pedestrians always have the right-of-way.

Before Operating a PIT

- Only trained personnel with current authorization are allowed to operate PITs.
- The operator must be familiar with and adhere to all recommendations and warnings provided by the manufacturer with regard to the vehicle and all attachments.
- The operator must conduct a visual inspection of the PIT and attachments at the start of each shift. Employees may not operate an unsafe forklift at any time. Deficiencies should be reported to the designated person or supervisor. Operators should also inspect the work area and remove debris or obstacles prior to operating a PIT. Operators should take note of other hazards in the area of operation, such as slick or uneven surfaces, inclines, etc. See Attachment A to this SOP.
- Operators must wear seatbelts on all such equipped trucks.
- Horseplay is prohibited.
- Hands and shoes should be dry and clean to minimize the risk of slips and falls while entering, dismounting, or operating a PIT.
- Fueling and/or charging operations must be conducted in the designated safe manner and location. See Attachment B.

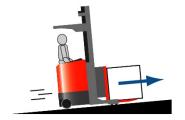


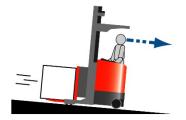
Picking Up a Load with a PIT

- Do not exceed the safe load capacity of a forklift at any time. The rated load limit shall be decreased as necessary to account for load sizes. Do not counterweight a forklift to increase its lifting capacity. See Attachment C.
- Compensate for loads with an off-center point of gravity. Position the load such that the
 distance from the front wheels to the load center is minimized, and the heaviest portion
 of the load is closest to the mast.
- Position the load in a way that will shorten the load center distance.
- Approach the load squarely and position the forks under the load as far as possible. Lift
 the load before moving the vehicle, but lift only the minimum amount necessary to
 safely maneuver. Do not lift a load with one fork.
- No load should be moved unless it is absolutely safe and secure.
- When unloading trucks or trailers, the brakes on the vehicle must be set (locked) and the wheels chocked.
- No person is permitted to stand or walk under elevated forks.

Moving a Load with a PIT

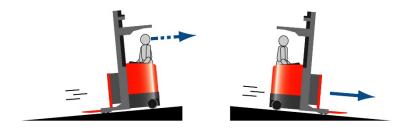
- PITs should be driven on the right side of the road or aisle-way, and operated at a safe speed with due regard for traffic and conditions (slippery surfaces, obstructed vision, cross aisles, etc.).
- Operators should avoid making jerky starts, quick turns, or sudden stops. The operator is not permitted to use reverse as a brake.
- The operator must look in the direction of travel and their view should not be obstructed by the load. The operator should turn and drive facing away from the load when their view is blocked.
- Operators must not drive toward any person who is in front of a fixed object or wall.
- At blind intersections, the operator should: STOP, SOUND THE HORN, LOOK BOTH WAYS, PROCEED SLOWLY.
- Operators may not overtake and pass another forklift traveling in the same direction, at intersections, blind spots, or hazardous locations.
- The forks should not be operated while the forklift is traveling and kept as low as
 possible when traveling (whether loaded or unloaded). The load should be kept level or
 slightly cradled (tilted back).
- When traveling on slopes, keep the heavy end uphill. On a downgrade, the forklift should be driven in reverse, and the forks raised only enough to clear the surface.







- Use extra care when handling long lengths of bar stock, pipe, or other materials.
- Compressed gas cylinders must be moved only with special pallets designed for this purpose.
- Operators must cross railroad tracks diagonally whenever possible.
- If using a service elevator with a PIT, the operator must: verify that the elevator capacity can support the weight of the lift truck plus the load; confirm that the dimensions of the elevator (width and height) are sufficient to accommodate the PIT and load; approach the elevator slowly and stop at a safe distance before entering, then proceed slowly and squarely; shut off the motor and apply the brakes while on the elevator.
- If operating on ramps or loading docks, verify that the dockboard is secure and of adequate capacity; proceed slowly when approaching or leaving; do not turn or park on a ramp or dockboard, and; keep the forks downgrade.



Parking a PIT

- PITs must be safely parked in the designated area when not in use. The controls must be neutralized, power shut off, brakes set, key removed, and the forks secured in the lowest position, flat on the surface, and not obstructing walkways or aisles.
- A forklift may not be left on an incline unless it is safely parked and the wheels blocked.
- Forklifts may not be parked in areas that will block exits, stairways, fire extinguishers or any other emergency equipment.

Lifting People with a PIT

- A forklift may not be used to elevate a platform or pallet with persons on it, except work
 platforms specifically designed and marked for this purpose.
- Work platforms must have standard guard rails and toe boards; and must be securely fastened to the forks. Personal fall protection (e.g., full body harness, self-retracting lifeline (SRL), etc.) is required.
- The PIT may be used only to raise and lower a person- it shall not travel with a person
 on the platform. Order pickers designed to raise and lower the operator while in motion
 are exempt.



Attachment A - Operator's Daily Checklist

The purpose of the operator's inspection is to ensure that the PIT and its attachments are in safe operating condition prior to use. The inspection must be conducted prior to each shift. While the regulations do not require documentation of operator inspections, such documentation is strongly encouraged as a means of verifying an adequate and complete inspection. Several inspection forms follow to account for various types of PITs (PIT/Forklift, Powered Pallet Jack, Order Picker). General inspection items found in these forms are further described below.

Overhead and hand guard	•	No broken welds, missing bolts, or other damage
Hydraulic cylinders	•	No leaks or damage
Mast assembly	•	No broken welds, cracked or bent areas, or worn or missing stops
Lift chains and rollers	•	No excessive wear, damage, kinks, rust
	•	Adequate lubrication
Tow hook	•	Engage and release smoothly
	•	Safety catch works properly
Forks	•	No cracks, gouges, holes, excessive wear
	•	No mismatching
Tires	•	No gouges, chunking or bond failure
	•	Adequate tread
	•	Proper inflation
	•	No missing lugs
Battery	•	Properly installed and secured
	•	Adequately charged
	•	No leakage
	•	Covers and caps in place
	•	Cables in good condition
Hydraulic fluid	•	Proper level
Gauges	•	Working properly
Steering	•	Smooth, without binding or excess play
	•	Power steering operates properly
Brakes	•	Pedal moves freely without binding and does not go all the way to the floor
	•	Parking brake works correctly (vehicle does not move when
		engaged)
Lights	•	All warning and working lights function properly
Horn	•	Sounds
Control lever	•	Moves smoothly
Safety seat, belt, switch,		
doors, Deadman's switch	•	Operate as intended
and/or interlocks		
Propane tank/hose	•	No apparent cracks, checking, kinking, fraying of the hoses
	•	Connector properly seated
	•	Tank secured
Engine oil	•	Proper level
Engine coolant	•	Proper level
Transmission fluid	•	Proper level
Windshield wipers	•	Work properly
Attachments	•	Operate smoothly with no hesitation



PIT/FORKLIFT INSPECTION CHECKLIST

TRUCK ID	MAKE/MODEL

Operators are required to inspect their trucks at the beginning of their shift. Regulations do not require a record of inspection; but, EHS encourages it. This form can be used to record operator inspections. Record each inspection in an individual column. Record the date at the top of the column; the time of the inspection in the next row of the column, and; the person conducting the inspection in the third row of the column. For each inspection item, record "OK" if the item is in good and operational condition. Record "NA" if the inspection item does not apply to the particular PIT. Record "BAD" if an item requires maintenance or repair before the PIT can be safely operated. For each "BAD" recorded, provide further explanation of observations and corrective actions in the space following the table.

DATE →				
TIME →				
OPERATOR				
INITIALS→				
INSPECTION ITEM				
Ψ				
Overhead and				
hand guard				
Hydraulic cylinders				
Mast assembly				
Lift chains and				
rollers				
Tow hook				
Forks				
Tires				
Battery				
Hydraulic fluid				
Gauges				
Steering				
Brakes				
Lights				
Horn				
Control lever				
Safety seat, belt,				
switch, doors,				
and/or interlocks				
Deadman's Brake				
functions properly				
(travel circuits				
disabled), if				
equipped				
Load handling attachments	1			
	<u> </u>			
Propane tank/hose	<u> </u>			
Engine oil	<u> </u>			
Engine coolant Transmission fluid	<u> </u>			
	<u> </u>			
Windshield wipers	<u> </u>			
Attachments				



FORKLIFT/POWERED INDUSTRIAL TRUCK SAFETY

Date	Item of Concern	Corrective Action Taken



POWERED PALLET JACK INSPECTION CHECKLIST

TRUCK ID	MAKE/MODEL

Operators are required to inspect their trucks at the beginning of their shift. Regulations do not require a record of inspection; but, EHS encourages it. This form can be used to record operator inspections. Record each inspection in an individual column. Record the date at the top of the column; the time of the inspection in the next row of the column, and; the person conducting the inspection in the third row of the column. For each inspection item, record "OK" if the item is in good and operational condition. Record "NA" if the inspection item does not apply to the particular PIT. Record "BAD" if an item requires maintenance or repair before the PIT can be safely operated. For each "BAD" recorded, provide further explanation of observations and corrective actions in the space following the table.

DATE →				
TIME →				
OPERATOR INITIALS→				
INSPECTION ITEM ↓				
Foot Protection worn				
Steering Arms, move easily & freely				
Horn				
Backup Alarm				
Brakes				
Forward/Reverse Controls				
Lift Controls				
Speed Control Switch				
Emergency Control Function				
Lift Controls				
Speed Controls				
Forks				
Load Wheels/Tires, no flat spots				
Battery Cover, secure & in place				
Battery Charged				
Safety Signs & Labels				
No Leaks or Corrosion				
Gauges & Meters				
For rider type vehicles: The				
standing platform has non-skid				
surface.				
Attachments: List				

Date	Item of Concern	Corrective Action Taken



ORDERPICKER INSPECTION CHECKLIST

TRUCK ID	MAKE/MODEL

Operators are required to inspect their trucks at the beginning of their shift. Regulations do not require a record of inspection; but, EHS encourages it. This form can be used to record operator inspections. Record each inspection in an individual column. Record the date at the top of the column; the time of the inspection in the next row of the column, and; the person conducting the inspection in the third row of the column. For each inspection item, record "OK" if the item is in good and operational condition. Record "NA" if the inspection item does not apply to the particular PIT. Record "BAD" if an item requires maintenance or repair before the PIT can be safely operated. For each "BAD" recorded, provide further explanation of observations and corrective actions in the space following the table.

DATE →		
TIME →		
OPERATOR INITIALS→		
VISUAL INSPECTION, KEY OFF ♦		
Tires have no gouges, chunking or bond failure.		
Adequate tread, if applicable		
Battery is fully charged and correct water level		
Battery and gates properly installed		
Emergency disconnect functions properly		
Lift/Lower System has no damage to chains, hoses or		
limit switches		
Controls move smoothly without binding. Return to		
neutral when released		
Guards and covers installed. Decals in place (warning,		
safety, operational)		
Mast guard not cracked or chipped (if glass)		
Check floor under lift truck for any leaks		
Checks magnetic rails in warehouse for damage.		
Fall protection equip. in good shape & worn properly		
(Must have full body harness sized to fit each operator		
and self-retracting lanyard)		
OPERATIONAL INSPECTION, KEY ON ♥		
Horn works when depressed		
Steering smooth without binding or excess play		
Directional/Speed Control moves smoothly without		
binding, returns to neutral when released, and controls		
speed and direction properly.		
Plugging functions properly, speed limits functions		
properly		
Lift/Lower Controls move freely, return to neutral when		
released, and perform their functions as indicated.		
Hour Meter records all hours of lift truck operation Brake Pedal moves freely and stops lift truck quickly.		
Deadman's Brake functions properly (travel circuits		
disabled)		
Emergency Disconnect shuts down travel and lift		
functions when depressed.		
All warning and working lights are working, all limit		
switches function properly.		
emichico fanotion propony.		



Date	Item of Concern	Corrective Action Taken



Attachment B – Safe Fueling/Charging

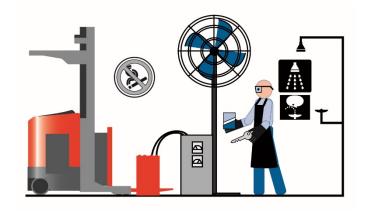
In all cases, follow all manufacturer's instructions. The precautions in this attachment are general in nature. Persons must be authorized by their supervisor to conduct re-fueling/re-charging operations.

Battery Charging/Maintenance

- Set the parking brake when servicing.
- Use a battery stand and puller if the battery is to be removed.
- Ensure that the battery is secured when installed in the vehicle.
- · Keep metal objects away from the battery.
- Keep open flames away from the battery. Use a flashlight to check fluid level. Do not smoke in battery charging areas.
- Keep battery caps on and the vent holes clear.
- Battery charging areas should be mechanically ventilated and equipped with a means of flushing and neutralizing spills as well as a plumbed eye wash station.
- Wear a face shield, goggles, apron, and rubber gloves when servicing the battery.
- In the event that battery acid contacts the skin, flush the affected area with water for 15 minutes and seek medical attention as necessary. In the event that battery acid contacts the eye, flush the eye for 15 minutes with water and seek medical attention.

Battery Charging using a Pigtail-style Cord

- · Set the parking brake while servicing.
- Both the truck and the charger should be turned off when connecting or disconnecting the charging cord.
- Do not service the battery when it is being charged.
- Keep open flames away from the battery. Do not smoke in battery charging areas.
- Only qualified and experienced personnel should perform maintenance, remove or repair batteries.
- No additional personal protective equipment nor is an eyewash station required in the charging area if the battery is only serviced by an outside vendor.





Refueling a Propane Lift Truck

When handling propane fuel:

- Position the tank so the liquid propane does not come into contact with the relief valve.
- Make sure the locking pin engages into the cylinder.
- · Make sure the valve is closed tightly.
- Store the propane outside, in an upright position, in an area where it can be secured and is protected from being struck.
- Put the cylinder down gently. Do not drop, dent, or damage it.
- Always protect the valve from any damage.
- Avoid contact with liquid propane, as it can cause frostbite. Wear thermal protective gloves while making or breaking connections.
- Exchange removable cylinders outdoors or in well-ventilated areas, away from sources of ignition. Indoor storage of LPG is limited to 40 pounds by fire regulations.
- Close the valve before breaking connections.

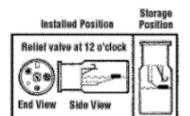
Procedures for changing propane cylinders:

- Wear eye protection and thermal gloves.
- Close the valve on the cylinder.
- Run the engine until it stops. This ensures that the connection hose is empty.
- Shut off the engine. Engage the parking brake.
- Open the connecting nut. **DO NOT** use metal tools.
- Disconnect the hose.
- Disconnect the holding straps.
- Remove the empty cylinder.
- Replace with a full cylinder in the proper position.
- Connect the holding straps.
- Tighten the connecting nut (wiggle hose).
- Open the valve on the cylinder slowly and check for leaks. Use solution of soap and water. Smell listen look.
- Slowly open the valve to its fully open position.
- Secure the hose in an inward and downward direction.
- Secure the cylinder.
- Start the engine and resume operation.

Refueling a Gasoline or Diesel PIT

NO smoking or open flames are permitted within 25 feet of the re-fueling station.

Allow the engine to cool before refueling.





Attachment C – Load Rating Reduction

For symmetrical loads, the center of gravity is at the middle of the load in terms of the load's length, width, and height. The rated capacity of a forklift is generally based on a load that simulates a cube, measuring 48" in all directions with the center of gravity in the middle (24"). The rated capacity of the vehicle must be decreased to accommodate loads that are not symmetrical or exceed the rated load center. Failure to account for load variations with respect to the rated capacity of the PIT increases risk of tipover, loss of steering control, and instability of the load.

If available, use the manufacturer's instructions for reducing load capacities. In the absence of such instruction, follow the procedure described below.

Divide the rated load center by the actual load center and multiply by the stated capacity. For example, consider a forklift with a rated capacity of 5,000 pounds at a 24" (48" cube) load center that will be used to move a load with an actual load center of 28" (56" cube). The estimated load capacity is reduced to 4,285 pounds.

(24/28)(5000) = 4,285



Appendix D - Powered Industrial Truck Driver Evaluation Checklist for Sit-Down or Stand-Up Rider and Telehandler Operators

Evaluator's Name	Date	
Operator Name	NU ID	
Department	Supervisor	
Location	Initial Operator Training Date	
PIT Make/Model/Serial #		

Pre-Start	Accentable	Not Acceptable	N/A
Conducts pre-shift inspections per operating manual and uses	Acceptable	Acceptable	IN/A
form/checklist. Manual and checklist are available.			
Looks for damage and knows who to report problems to			
Use of Controls			
Steering mechanism			
 Parking brake 			
Deadman's switch, if equipped			
■ Tilt			
 Lift 			
 Attachments, If used List: 			
Traveling			
Wears seat belt or fall protection			
 Wears required PPE and closed-toe shoes 			
 Keeps body parts within operator compartment 			
 Operates forklift in accordance with operating manual instructions 	3		
 Carries forks/load 4-12 inches above ground as appropriate 			
 Does not raise or lower forks while moving 			
 Turns corners widely, with forks lowered and with consideration 			
of rear swing			
 Keeps an adequate following distance, 3 or more lengths 			
 Stays well away from drop offs, uses spotter, if necessary 			
 Maintains clear vision in the direction of travel 			
 Has/uses forklift headlights in dark areas 			
 Starts, stops and changes directions smoothly 			
 Maintains proper speed; slows at intersections; obeys signs 			
 Travels right of center in aisles while allowing room for step outs 			
 Uses horn when appropriate (blind intersections and backing) 			
Uses proper signals			
Picking up a Load			
 Before picking up the load, operator previews route, taking aisle, 			
door width, traffic and other potential objects into consideration.			
 Matches load with truck's capacity, doesn't stack load tiers above LBR (load back rest) height 			
 Keeps mast vertical (load level) when high picking or stacking 			
 Places load appropriately on forks/attachments. Forks under pallet properly (forks level and properly spaced) 			
 Checks load for stability 			
Travels in reverse when load partially obstructs visibility			
 Stacks straight, squarely and not too high 			
 Handles long loads with forks spread wide and uses spotters 			



•	Deposits load safely			
•	Travels with loads 4-12" above the ground and tilted back to			
	stabilize the load (if the load represents a hazard of sliding off the			
	forks during forward braking)			
•	Recognizes additional hazards of moving liquid loads			
•	Stacks straight, squarely and not too high			
Pedes	strian Issues			
•	Scans effectively, uses extreme caution, honks & yields to			
	pedestrians at corners and step outs			
•	Allows no pedestrians near operating forklift particularly in trailers			
•	Watches for pedestrians in tail swing area			
	Honks before passing pedestrians			
	Allows no pedestrians beneath load or to ride on forklift, forks,			
	pallet, or load while the truck is moving			
Loadi	ing/Unloading Trailer/Rail Car/Other:			
•	Wheel chocks and jack stands are present, if trailers are entered			
-	Checks that the trailer is properly chocked – jack stands are used			
	when needed if the tractor is not present.			
•	Makes sure trailer axles are slid to the rear			
•	Inspects the condition of the floor			
-	Checks dockboard capacity – installs correctly			
-	Takes steps to prevent tractor-trailer pull-away			
	Uses lighting aids			
-	Looks into trailer before entering with EACH load			
Ramn	os/Inclines:			
- Kamp	Travels with load upgrade and takes precautions for visibility			
-	Travels empty with counterweight upgrade			
-	NEVER turns on ramps or inclines			
Eleva				
Lieva	Does not exceed elevator capacity; centers forklift; drives in load			
_	first; shuts off forklift including setting the parking brake before			
	operating elevator; allows no other passengers			
Parki				
I alkii	Lowers forks, sets brake, neutralizes transmission controls,			
_	chocks wheel on slope when parking for extended periods of time			
	Parks in a location not blocking doorways, emergency exits,			
	firefighting equipment, electrical panels, stairways, ladders or			
	railroad tracks.			
-	Follows the proper procedures for an "unattended" vehicle. Shuts			
	off engine if moving more than 25 feet from the forklift or moving			
	out of sight of the forklift.			
-	Re-fueling/Re-charging (to the extent of assigned			
	responsibilities)			
•	Can demonstrate the designated refueling/recharging location			
-	The proper PPE is available and worn			
-	Is familiar with the proper & safe procedures			
	· ······ p· · · p · · · · · · · · · · ·		Not	
Addit	ional Observations and Comments:	Acceptable	Acceptable	N/A
		•	•	



Appendix D - Powered Industrial Truck Driver Evaluation Checklist for Walk Behinds and Powered Pallet Jacks

Evaluator's Name	Date	
Operator Name	NU ID	
Department	Supervisor	
Location	Initial Operator Training Date	
PIT Make/Model/Serial #		

Pre-Start	Accentable	Not Acceptable	N/A
Conducts pre-shift inspections per operating manual and uses	Acceptable	Acceptable	IN/A
form/checklist. Manual and checklist are available.			
Looks for damage and knows who to report problems to			
Use of Controls			
Steering mechanism			
Parking brake			
Tilt			
■ Lift			
 Emergency Shut-Off, Release, Deadman's Switch, etc. 			
Attachments, If used List:			
Traveling			
Wears required PPE and closed-toe shoes			
Operates lift in accordance with operating manual instructions			
Carries forks/load low to the ground as appropriate			
Does not raise or lower forks while moving			
Turns corners widely, with forks lowered			
Keeps an adequate following distance, 3 or more lengths			
Stays well away from drop offs, uses spotter, if necessary			
Maintains clear vision in the direction of travel			
Starts, stops and changes directions smoothly			
Maintains proper speed; slows at intersections; obeys signs			
Travels right of center in aisles while allowing room for step outs			
 Uses horn when appropriate (blind intersections and backing) 			
 Uses proper signals 			
Picking up a Load			
 Before picking up the load, operator previews route, taking aisle, 			
door width, traffic and other potential objects into consideration.			
 Matches load with truck's capacity, doesn't stack load tiers above 			
LBR (load back rest) height Keeps mast vertical (load level) when high picking or stacking			
	<u> </u>		
properly (forks level and properly spaced)			
 Checks load for stability 			
 Travels in reverse when load partially obstructs visibility 			
 Stacks straight, squarely and not too high 			
 Handles long loads with forks spread wide and uses spotters 			
 Deposits load safely 			
 Travels with loads low to the ground and tilted back to stabilize the 			
load (if the load represents a hazard of sliding off the forks during forward braking)			



•	Recognizes additional hazards of moving liquid loads			
•	Stacks straight, squarely and not too high			
Pedes	strian Issues			
•	Scans effectively, uses extreme caution, honks & yields to			
	pedestrians at corners and step outs			
•	Allows no pedestrians near operating forklift particularly in trailers			
•	Watches for pedestrians in tail swing area			
•	Honks before passing pedestrians			
-	Allows no pedestrians beneath load or to ride on forklift, forks,			
	pallet, or load while the lift is moving			
	ing/Unloading Trailer/Rail Car/Other:			
•	Wheel chocks and jack stands are present, if trailers are entered			
•	Checks that the trailer is properly chocked – jack stands are used			
	when needed if the tractor is not present. Makes sure trailer axles are slid to the rear			
- :				
- :	Inspects the condition of the floor			
	Checks dockboard capacity – installs correctly Takes steps to prevent tractor-trailer pull-away			
	Uses lighting aids			
	Looks into trailer before entering with EACH load os/Inclines:			
Naiiip	Travels with load upgrade and takes precautions for visibility			
	Travels empty with counterweight upgrade			
	NEVER turns on ramps or inclines			
Eleva				
Lieva	Does not exceed elevator capacity; centers forklift; drives in load			
_	first; shuts off lift; allows no other passengers			
Parki				
•	Lowers forks, sets brake, neutralizes transmission controls,			
	chocks wheel on slope when parking for extended periods of time			
-	Parks in a location not blocking doorways, emergency exits,			
	firefighting equipment, electrical panels, stairways, ladders or			
	railroad tracks.			
•	Follows the proper procedures for an "unattended" vehicle. Shuts			
	off engine if moving more than 25 feet from the forklift or moving			
	out of sight of the forklift.			
•	Re-charging (to the extent of assigned responsibilities)			
-	Can demonstrate the designated recharging location			
•	Is familiar with the proper & safe procedures		Not	
A ddit	ional Observations and Comments:	Accontable	Not Acceptable	N/A
Adult	ional Observations and Commetits.	-cceptable	Acceptable	IV/A



Appendix D - Powered Industrial Truck Driver Evaluation Checklist for Order Pickers

Evaluator's Name	Date	
Operator Name	NU ID	
Department	Supervisor	
Location	Initial Operator Training Date	
PIT Make/Model/Serial #		

Pre-Start	Acceptable	Not Acceptable	N/A
 Conducts pre-shift inspections per operating manual and uses form/checklist. Manual and checklist are available. 	•	•	
Looks for damage and knows who to report problems to			
Demonstrates competency in using personal fall protection			
equipment, includes equipment selection, inspection and has			
completed training. Must have full body harness sized for each			
operator and self-retracting lanyard.			
Use of Controls			
 Steering mechanism 			
Parking brake			
■ Tilt			
■ Lift			
 Emergency Shut-Off, Release, Deadman's Switch, etc. 			
Attachments, If used List:			
Traveling			
 Wears fall protection 			
 Wears required PPE and closed-toe shoes 			
 Keeps body parts within operator compartment when not picking 			
 Operates lift in accordance with operating manual instructions 			
 Carries forks/load 4-12 inches above ground as appropriate 			
 Properly aligns truck with magnetic rail system, if available 			
 Turns corners widely 			
 Stays well away from drop offs, uses spotter, if necessary 			
 Maintains clear vision in the direction of travel 			
 Has/uses forklift headlights in dark areas 			
 Starts, stops and changes directions smoothly 			
 Maintains proper speed; slows at intersections; obeys signs 			
 Travels right of center in aisles while allowing room for step outs 			
 Uses horn when appropriate (blind intersections and backing) 			
 Uses proper signals 			
Picking up a Load			
 Before picking up the load, operator previews route, taking aisle, 			
door width, traffic and other potential objects into consideration.			
 Places load appropriately on forks/attachments. Forks under palled 			·
properly (forks level and properly spaced)			
Checks load for stability			
 Travels in reverse when load partially obstructs visibility 			
 Stacks straight, squarely and not too high 			
 Deposits load safely 			
 Stacks straight, squarely and not too high 			



Pedestrian Issues			
 Scans effectively, uses extreme caution, honks & yields to 			
pedestrians at corners and step outs			
 Allows no pedestrians near operating lift particularly in aisles 			
 Honks before passing pedestrians 			
 Allows no pedestrians beneath load and no riders other than the 			
operator.			
Ramps/Inclines:			
 Travels with load upgrade and takes precautions for visibility 			
 Travels empty with counterweight upgrade 			
 NEVER turns on ramps or inclines 			
Parking:			
 Lowers forks, sets brake, neutralizes transmission controls, chocks wheel on slope when parking for extended periods of time 			
 Parks in a location not blocking doorways, emergency exits, firefighting equipment, electrical panels, stairways, ladders or railroad tracks. 			
 Follows the proper procedures for an "unattended" vehicle. Shuts off engine if moving more than 25 feet from the forklift or moving out of sight of the forklift. 			
 Re-charging (to the extent of assigned responsibilities) 			
 Can demonstrate the designated recharging location 			
The proper PPE is available and worn			
 Is familiar with the proper & safe procedures 			
Additional Observations and Comments:		Not Acceptable	N/A