



UNC
ENVIRONMENT,
HEALTH & SAFETY

Job Safety Analysis


Safety Information for The University of North Carolina at Chapel Hill

Fork Lifts



Title	Work Task	Hazards	Controls
<p>Pre-use inspection</p>	<p>Inspect all gauges to make sure they are operational. If any fail to work, per OSHA, the Fork Lift must be taken out of service. OSHA refers to these units as Powered Industrial Trucks or "PIT"</p> <p>Inspect for broken welds. Missing bolts, damage to overhead guard, unsafe tires such as chunks missing from solid tire PITs.</p>	<p>Non-working gauges could result in personal injury or damage to cargo. Missing parts could result in same</p>	<p>If used intermittently, visually inspect all gauges and parts before and after each use. If used daily, visually inspect before and after each shift. OSHA does not require a written record of the inspections.</p>
<p>Personal Protective Equipment</p>	<p>PPE should be consistent with those required for general work environment. Operator restraining devices such as seatbelts are required by the OSHA Standard</p>	<p>Falling from the cab of the fork lift</p>	<p>Supervisor to ensure that operators are wearing restraining devices during the work</p>

	Work Task	Hazards	Controls
Operation	<p>Fork lifts without a load must drive with the forks in the lowered position.</p> <p>Do not travel or turn with a raised load the PIT could turn over</p> <p>Face the load up-gradient if there is a slope.</p> <p>If gradient is downhill, travel in reverse</p> <p>Be careful of rear end swing that may impact an object directly behind the PIT.</p> <p>Never pass loads over people</p> <p>No passengers are to ride on the load or the bare forks.</p> <p>Carry loads rated for the lift</p>	<p>Limited visibility when traveling with a raised load. Turning with a raised load can result in tipping of the TIP. This accounts for 35% of the fatalities due to crushing of the operator under the TIP.</p> <p>An unstable load passed over a person at grade can result in a crush hazard.</p> <p>Riding on a load or bare forks is a fall hazard</p> <p>Loads that exceed the load rating will result in forward tipping resulting in potential injury to operator</p>	<p>Lift workers only in an approved work platform. As with scissors lifts, the passenger does not need to tie off although OSHA recommends it.</p> <p>Ensure the loads are less than the rating of the PIT</p> <p>Ensure that no one passes under a raised load</p>
Training	<p>The operator must have an initial competency training which is a combination of instruction and hands-on. This must be done by a “Competent Person”. The operator must be refreshed every three years.</p>	<p>Powered Industrial Truck Standard – 29 CFR 1910.178</p>	
Created	<p>David Catalano</p>		

Referenced Material	29 CFR 1910.178		
Contact Info	<p>For more information about this JSA and other JSAs, contact: <i>Department of Environment, Health and Safety</i> UNC-CH, 1120 Estes Drive Extension, Chapel Hill NC 27599 CB# 1650 (919) 962-5507 http://ehs.unc.edu</p>		<p>UNC ENVIRONMENT, HEALTH & SAFETY</p>