**Cushion Tire Forklift**

Used Cushion Tire Forklift Surprise - Most forklifts are classified by the kind of work they do and some are classified by their type of tires. There are two main kinds of tire classification for forklifts, pneumatic and cushion tire. When considering the benefits and drawbacks of cushion tires in forklift uses, it is important to discuss the benefits and drawbacks of the other available forklift tire option: the pneumatic tire. The benefits and potential drawbacks of the cushion tire models can only be compared when the pneumatic benefits and drawbacks are equally discussed. Forklift Tire Classifications Cushion Tires Cushion tires are made up of either smooth or treaded solid rubber and are designed around a metal ring or baseband. Cushion tires cost less to make and are easier to take care of. Cushion tires are designed for smooth surface applications such as work that takes place mostly indoors or around loading docks. Cushion tires make travelling in tight locations much easier to navigate around corners due to their tight radius. Forklifts that use cushion tires can be lower to the ground compared to pneumatic tire models and the increase in vertical clearance is welcome for many applications. Pneumatic tires provide better traction compared to cushion tires; especially on wet surfaces and outdoor locations. There are many jobs suitable for cushion tire forklifts such as unloading shipments, transporting items to and from the loading areas, order picking, unloading inventory and more. Pneumatic Tires Pneumatic tires have two categorizations as either solid resilient pneumatic or standard air pneumatic. They are popular for rough terrain applications and uneven surfaces. The solid resilient pneumatic tires are comprised entirely of rubber and the standard air pneumatic tires feature a layered rubber design filled with air. For locations with uneven surfaces and unpaved ground, pneumatic tire forklifts are prime choices. The solid resilient pneumatic forklift tires are best used in areas such as lumber yards or junkyards and construction sites where there may be sharp metal items on the ground which could puncture the tires. Benefits of Cushion Tire Forklifts Forklifts that use cushion tires are a wise option for interior and exterior locations that feature smooth surfaces. The forklift designed for use with cushion tires, is intended to be used mostly indoors, with some limited outdoor use. Warehousing applications and manufacturing facilities often rely on cushion tire forklifts. Warehousing and narrow aisles and tight locations all rely on the benefits of cushion tire forklifts. Some benefits of using a cushion tire forklift over a pneumatic tire forklift are: 1) Maneuverability Maneuverability is one of the key pneumatic tire forklift benefits since these models do not require a larger frame to facilitate a bigger internal combustion engine. 2) Lower Clearance Forklifts built for indoor use with cushion tires generally have a lower clearance than pneumatic tire equipment, allowing the forklift to more easily navigate doorways and other obstacles such as lights and sprinkler systems. 3) Durability With little to no risk of a tire puncture, cushion forklift models are easy to maintain and ultra-durable. 4) Quiet Cushion tire forklifts do not use an internal combustion engine and instead rely on a battery or fuel cell, making them significantly quieter than their propane or diesel cousins. 5) Environmentally Friendly Cushion tire forklifts are more environmentally friendly as they use electricity and produce no harmful emissions, compared to internal combustion engine models. Forklift Tire Choice The forklift frame typically depicts whether a cushion tire or a pneumatic tire will be utilized. Tires and axles are specific to the lifting capacity and the machine’s frame. Most forklift manufacturers design forklifts to operate safely with specific wheels and tires, namely cushion tires or pneumatic tires. Due to their special tire design, it is best to choose the forklift type that will suit the job in terms of forklift tire types. Workplace Applications Suitable Work Applications for Cushion Tires There are many work applications suitable for using cushion tire forklift models. If the majority of the load lifting, transporting and placing will occur indoors or with only moderate outdoor usage on smooth surfaces, then cushion tires are likely the best option. Forklifts fitted with cushion tires often have a smaller frame and sit much lower to the ground than forklifts fitted with pneumatic tires. Cushion tire models can fit through doorways easier and avoid overhead obstacles. It is important to note that cushion tire forklifts showcase less ground clearance and the machine

may get caught up on exterior obstacles if the ground is uneven. One solution is to outfit traction tires on the front of the cushion tire forklift. Traction based tires will function in rough terrain environments that have wet surfaces, packed gravel and asphalt. However, it is still not recommended to drive on dirt or grass and it must be noted that the same type of tire must be used on the opposite sides, drive and steer axles. The smaller turning radius on the cushion tire forklifts is one of their main advantages. Cushion tire forklifts are excellent for manufacturing facilities and warehouse operations that are compact with less space. Locations that rely on narrow aisles will benefit greatly from the smaller cushion tire forklifts and their tight turning capabilities. Pneumatic tire forklifts are more expensive and less available compared to cushion tire forklifts. Suitable Work Applications for Pneumatic Tire Forklifts Pneumatic tires forklifts have air in them and are better for outdoor use such as in yard work or on gravel. Pneumatic tires can also be used inside but do not provide the advantages of low clearance, maneuverability or small turning radius. Pneumatic tire models create harsh fumes with their internal combustion engines, making them unsuitable for interior locations. Pneumatic tire forklifts are longer and wider than cushion tire forklifts which is why they are primarily used outdoors. There are two kinds of pneumatic tires; the air-filled pneumatic tire is less expensive than the solid pneumatic tire. This is because a solid pneumatic tire is not susceptible to punctures or gouges because they are made of solid rubber and do not have air in them. Outdoor areas including lumber yards and scrap yards that feature copious amounts of metal debris and nails often rely on solid pneumatic tires. Air-filled pneumatic tires work well on gravel and asphalt exterior surfaces. However, air pneumatic tires are susceptible to being punctured or gouged. Due to their susceptibility for getting gouged or punctured, the work location must be free from sharp debris before driving the air pneumatic tires. Air tires are also known to give a bouncy ride, contributing to operator discomfort and fatigue. It is possible to foam fill the pneumatic forklift tires for a smoother ride. The foam filling option creates a more even ride compared to the solid pneumatic tires or the bounciness of the air-filled pneumatic tires. Foam filling is also used to help prevent flat tires. Filling an air pneumatic tire with foam usually takes approximately 3 days to fill and cure. Difference in Load Capacity Both cushion tire and pneumatic tire forklifts offer similar load capacities. Some electric powered cushion tire forklifts do have lift limits. Pneumatic tire and cushion tire forklifts are available in practically any load capacity. These machines come in different load capacities from under 2000 lbs. to over 200,000 lbs. depending on your application.