

Cushion Tire Forklift

Used Cushion Tire Forklift Saskatchewan - Forklift trucks are commonly classified by the kind of work they complete as well as the kind of tire they use. 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 cushion tire benefits and drawbacks can only be understood in the context of what the pneumatic tire offers in terms of forklift operation. Forklift Tire Classifications Cushion Tires Cushion tires feature solid rubber that is either smooth or treaded and fixed or positioned around a baseband or metal ring. These types of forklift tires are easier to maintain and less expensive to manufacture. Cushion tires are designed for smooth surface applications such as work that takes place mostly indoors or around loading docks. Cushion tires are also better suited to applications in tight spaces. This is because they offer a turning radius that allows for movement around tight corners. 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. Cushion tires forklifts are commonly used for organizing inventory, moving items to and from different loading docks, unloading shipments and similar applications. Pneumatic Tires Pneumatic tires, on the other hand, are primarily designed to operate in rougher terrain, with uneven surfaces. These tires have two categorizations: The difference between these two pneumatic categories is that the first is made entirely of rubber, while the latter is a layered rubber, filled with air. For locations with uneven surfaces and unpaved ground, pneumatic tire forklifts are prime choices. Locations that have sharp debris or objects that could puncture a standard air pneumatic tires such as junkyards or lumber yards will benefit from solid resilient pneumatic forklift tires. Benefits of Cushion Tire Forklifts Forklifts fitted with cushion tires are a good option for operation on smooth surfaces, both indoor and outdoor. 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. Cushion tire models excel in tight locations including narrow aisles and accessing high shelves. Some benefits of using a cushion tire forklift over a pneumatic tire forklift are: 1) Maneuverability Since cushion tire forklifts do not need to house a larger internal combustion engine, they are more compact and easier to maneuver. 2) Lower Clearance Indoor cushion tire forklifts have lower clearance compared to pneumatic models; allowing the machine to travel easier through doorways and around lights or sprinkler obstacles. 3) Durability Cushion tires for forklifts are durable, easy to maintain and have little to no risk of puncture. 4) Quiet Because the majority of cushion tire forklifts are powered by battery or fuel cell, instead of an internal combustion engine, they are much less noisy than propane or diesel powered forklifts. 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. The majority of forklift manufacturers create models to coincide with specific wheels and tires, usually cushion tires or pneumatic tires. Because of this, it is more useful to choose the best forklift type, considering the type of tires the forklift will require and how it fits the job application, rather than attempting to modify the forklift by choosing the right tire for the application. Workplace Applications Suitable Work Applications for Cushion Tires Cushion tire forklifts are usually the best option for many workplace applications. 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. Sitting closer to the ground, cushion tire forklifts have a tinier frame compared to pneumatic tire forklifts. This gives them better clearance for fitting through doorways and avoiding overhead obstacles. However, cushion tire forklifts also

have less clearance to the ground which can result in cushion tire forklifts getting easily hung up on outdoor obstacles where the surface is not cleared or even. One solution to this problem is to fit the cushion tire forklift with traction tires on the front of their forklifts. Tires that offer traction will perform better on wet surfaces, rough terrain, packed gravel and asphalt. Traction tires are not used on dirt or grass locations and need to be installed on opposite sides, the drive and steer axles. The smaller turning radius on the cushion tire forklifts is one of their main advantages. Their ability to work in compact locations makes cushion tire forklifts excellent for warehousing and manufacturing operations. Locations that rely on narrow aisles will benefit greatly from the smaller cushion tire forklifts and their tight turning capabilities. Cushion tire forklifts are more cost-effective and available compared to pneumatic tire models.

Suitable Work Applications for Pneumatic Tire Forklifts

Since pneumatic tires contain air, these forklifts are better suited for exterior applications. Some interior locations may utilize pneumatic tire forklifts; however, they do not offer a small turning radius or the lower clearance and maneuverability that the cushion tires provide. Pneumatic tire forklifts operate with an internal combustion engine and these harmful emissions are dangerous for use indoors. Measuring wider and longer in comparison to cushion tire forklifts, pneumatic tire models are mostly utilized outside. There are two kinds of pneumatic tires; the air-filled pneumatic tire is less expensive than the solid pneumatic tire. The solid pneumatic tire is comprised of solid rubber without any air inside, making this type more resilient against gouges or punctures. Solid pneumatic tires are commonly used in lumber and scrap yards where there are tons of sharp, metal debris including nails. Air-filled pneumatic tires work well on gravel and asphalt exterior surfaces. The main issue with air pneumatic tires is their ability to become gouged or punctured. 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. This provides a smoother ride for the operator than the one experienced on solid pneumatic tires but also a less bouncy ride than air filled pneumatic tires. Flat tires can be filled with foam to keep them more durable and prevent flats. It takes roughly three days to fill and cure an air pneumatic tire with foam.

Difference in Load Capacity

The load capacity on for pneumatic tire forklifts and cushion tire forklifts are fairly equal. There may be lift limits on certain electric-powered cushion tire models. There are numerous forklifts available and a variety of pneumatic and cushion tire models can be found in a variety of load capacities. Load capacities come in a wide range - from less than 2,000 pounds to more than 200,000 pounds.