

Chain for Forklift

Chains for Forklift - The life of lift chains on forklifts could actually be lengthened significantly with good maintenance and care. For instance, correct lubrication is the most effective way in order to extend the service capability of this part. It is really important to apply oil every so often utilizing a brush or other lube application device. The volume and frequency of oil application must be adequate in order to prevent any rust discoloration of oil in the joints. This reddish brown discoloration normally signals that the lift chains have not been properly lubricated. If this situation has happened, it is very important to lubricate the lift chains as soon as possible.

Throughout lift chain operation it is common for some metal to metal contact to happen that could cause several parts to wear out in the long run. When there is 3% elongation on the lift chain, it is considered by industry standards to have worn out the chain. So as to stop the scary possibility of a catastrophic lift chain failure from happening, the maker very much suggests that the lift chain be replaced before it reaches 3 percent elongation. The lift chain lengthens due to progressive joint wear which elongates the chain pitch. This elongation could be measured by placing a certain number of pitches under tension.

So as to ensure correct lift chain maintenance, another factor to think about is to check the clevis pins on the lift chain for signs of wearing. Lift chains are assembled so that the clevis pins have their tapered faces lined up with each other. Normally, rotation of the clevis pins is often caused by shock loading. Shock loading occurs when the chain is loose and then suddenly a load is applied. This causes the chain to go through a shock as it 'snaps' under the load tension. With no good lubrication, in this particular situation, the pins can rotate in the chain's link. If this situation occurs, the lift chains should be replaced at once. It is vital to always replace the lift chains in pairs in order to ensure even wear.