

## Chain for Forklift

Forklift Chain - The life of lift chains on forklifts can actually be lengthened significantly with good care and maintenance. Like for example, right lubrication is actually the most effectual method in order to extend the service capability of this part. It is important to apply oil occasionally using a brush or other lube application tool. The frequency and volume of oil application needs to be enough to be able to prevent whatever rust discoloration of oil within the joints. This reddish brown discoloration usually signals that the lift chains have not been correctly lubricated. If this particular condition has happened, it is extremely imperative to lubricate the lift chains at once.

During lift chain operation it is common for some metal to metal contact to happen that could cause a few components to wear out eventually. As soon as there is three percent elongation on the lift chain, it is considered by industry standards to have worn out the chain. In order to prevent the scary likelihood of a catastrophic lift chain failure from taking place, the manufacturer greatly suggests that the lift chain be replaced before it reaches three percent elongation. The lift chain lengthens due to progressive joint wear which elongates the chain pitch. This elongation can be measured by placing a certain number of pitches under tension.

Another factor to ensuring proper lift chain maintenance is to check the clevis pins on the lift chain for indications of wear and tear. The lift chains have been put together so that the tapered faces of the clevis pin are lined up. Generally, rotation of the clevis pins is commonly caused by shock loading. Shock loading happens when the chain is loose and then all of a sudden a load is applied. This causes the chain to go through a shock as it 'snaps' under the load tension. Without the good lubrication, in this situation, the pins can rotate in the chain's link. If this scenario takes place, the lift chains must be replaced instantly. It is essential to always replace the lift chains in pairs to ensure even wear.