

Tips For Maximizing Roller Chain & Sprocket Life:

Lubrication can aid in the life of the roller chain by greasing the inside link as it flexes on the pin of the chain and lubricates the inside of the roller and pin mating surfaces. It can also help in reducing friction between inside portions of the link, which come in contact with the sprockets. When searching for lubricants, the best options are ones that don't attract foreign particles, which in turn could act as abrasive compounds.

Keep the roller chain tensioned on the slack side of the drive system to reduce the whipping movement that may occur as the roller chain exits the sprocket.

Keep the roller chains in a vertical position. Roller chain is not designed to bear its weight on the links, as it will create friction with the sprocket, shortening its life substantially and eventually working its way off the sprocket or idler, causing damage to the equipment.

Minimize the flexing of the roller chain. The larger the sprocket, the smaller the flex angle of the links is in relation to each other. As a basic rule, large diameter sprockets are easier on the roller chain than small diameter sprockets. The more gentle the flex of the chain, the longer its life.

