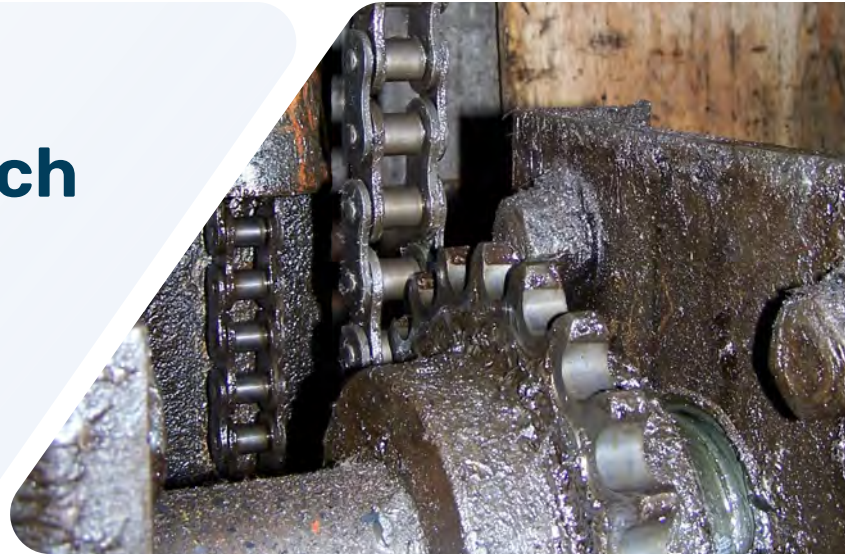


SUCCESS STORY

Uneven Chain Stretch on an Exit Looper

\$44,500

IN COST SAVINGS



PROBLEM

Tsubaki was called in to assist with a steel looper chain application used to produce rolls of tin steel. The looper tray had four chains on it, one in each corner, which lifted and lowered the tray like a counterweight.

Because of uneven wear between each strand, the tray was lifting unevenly and causing issues with production. The customer needed a solution that would eliminate the chains wearing unevenly.



SOLUTION

The **Technical Solutions Team** determined that we had to find a way to lubricate the sections that articulate around the sprockets while ensuring the rest of the chain could support the load and not stretch.

Tsubaki came up with a creative solution to solve the problem.

The top and bottom sections could leverage a **Lambda™ self-lubricating chain**, which would lubricate the articulating sections, while the hanging section would use the **Tsubaki RS120 Heavy** to support the load. In addition, the four strands were matched, tagged, and pre-stretched to ensure all tolerances matched and the chains would wear evenly.

Thanks to Tsubaki's work, the customer will see 5-7 years with no maintenance issues and a cost saving of \$44,500. Now, there's no need to constantly adjust the chains to make the tray square.