

## Tsubaki Advantage Success Stories

<b>Application No.</b>	3836
<b>Industry</b>	METAL PROCESSING-Steel
<b>Application Name</b>	Exit Looper
<b>Issue</b>	Uneven chain stretch
<b>Tsubaki Solution</b>	<p>Tsubaki was called into assist with a steel Looper chain application. This is used to produce rolls of tin steel. The looper tray has four chains on it. One in each corner lifting and lowering the tray like a counterweight. They were using Rs120riv Rexnord chain. The main issue was the uneven wear between each strand. This would cause the tray to lift unevenly and cause issues with production. They needed a solution that would eliminate the chains wearing differently. Only a two-foot section around the top and a 4 ft section on the bottom would engage with the sprockets. The rest of the chain would support the weight. We determined we had to find a way to lubricate the sections that articulate around the sprockets. We also need to ensure the rest of the chain could support the load and not stretch. Tsubaki came up with a creative solution. The top and bottom sections were to be Lambda self-lubricating chain while the hanging section would be Tsubaki Rs120 Heavy. The lambda would lubricate the articulating sections while the heavy chain would support the load. In addition, the 4 strands were match and tagged as well as pre stretched. The match and tagged would ensure all tolerances match and the chains would wear evenly. The prestretching would remove all work in tolerances. Avoiding any issues with run in stretch. The Rex chain would have to be replaced every year. With the Tsubaki option they were getting 5-7 years with no maintenance issues. No need to constantly adjust the chains to make the tray square.</p>
<b>Cost Savings</b>	44,543
<b>Product Type</b>	Lambda chain-Lambda Drive
<b>Images</b>	