

Tsubaki Advantage Success Stories

Application No.	4217
Industry	FORESTRY Sawmill
Application Name	Sorter Drive
Issue	The customer was running 160-2RB drive chain on their sawmill sorter with an odd number of pitches which required an Offset Link. The mill was experiencing regular fatigue failures after only 2 months in operation which was increasing their product replacement cost and lost production as a result of unplanned downtime.
Tsubaki Solution	<p>Tsubaki recognized that the majority of failures were occurring on the Offset link due to the approximately 35% loss in strength when using an Offset Link in a drive chain system. In addition, the conveyor was consistently carrying a heavy load above the maximum allowable load rating of the chain which would eventually lead to further fatigue failures if not addressed.</p> <p>Tsubaki consulted with the end user and recommended adjusting the center to center distance on the sprockets to accommodate an even number of chain pitches to eliminate the need for an offset link and to further address working load concerns by upgrading to a high strength, SUPER SERIES drive chain which could fit in the same envelope as the existing 160-2RB chain.</p> <p>The upgrade resulted in a life increase from 61 to 1046 days and \$33,002.34 in cost savings.</p>
Cost Savings	33,002.34
Product Type	Heavy Duty Drive Chain- SUPER Series
Images	