

Case Study

Diamond 80-1 Chain



INDUSTRY

Timber

PROBLEM

This particular application exposed the chain to wet hardwood sawdust - brush box timber which is very acidic. The existing Chinese chain was wearing prematurely causing the chain to stretch and subsequently required regular change out, at 5 month intervals. The premature chain wear also accelerates sprocket wear, adds labour costs to re-tension and replace chain. In addition, lost production during these periods is costly.

APPLICATION

Outfeed Roller Carriage for the Twin Edger

SOLUTION

BSC recommended Diamond Premium chain for the application. Boasting a 4 part link plate process, for better fatigue life, Diamond proprietary material specification and precise heat treatment for industry leading maximum wear resistance. Although Diamond Premium was going to increase initial outlay, the manager realised the long term costs v benefits involved.

BENEFIT

The Diamond premium chain continues to prove itself. After 2 ½ years in use, only one link has been removed and it is estimated that the chain will last at least another 6 months. Ultimately, the Chinese chain proved to be a false economy. The Chinese chain would have been replaced 6 times during the same period.

Existing chain

70'x chain = \$658 / length
down time, lost production = 4hours x \$1,800 = \$7,200
Total cost of replacement = \$7,858
Replaced 6 times = \$47,148

Diamond chain

70' = \$4,010 / length
downtime , lost production = \$7,200
Total replacement cost = \$11,210

Amount saved over 2.5 years = \$35938.....and counting
Nothing outlasts a Diamond!

