

DIAMOND® SERIES O-RING CHAIN FOR BOARD SANDER APPLICATION

CHALLENGE ▼

A sustainable forest product manufacturer was experiencing short wear life on its board sanding machines. Due to the nature of the application, the board sander subjects the chain to high amounts of dust which was getting trapped in the roller/bushing joints. Additionally, regular lubrication was not an option, furthering the effects of the dust and debris. Two chains per sanding line were failing after just eight weeks of use.

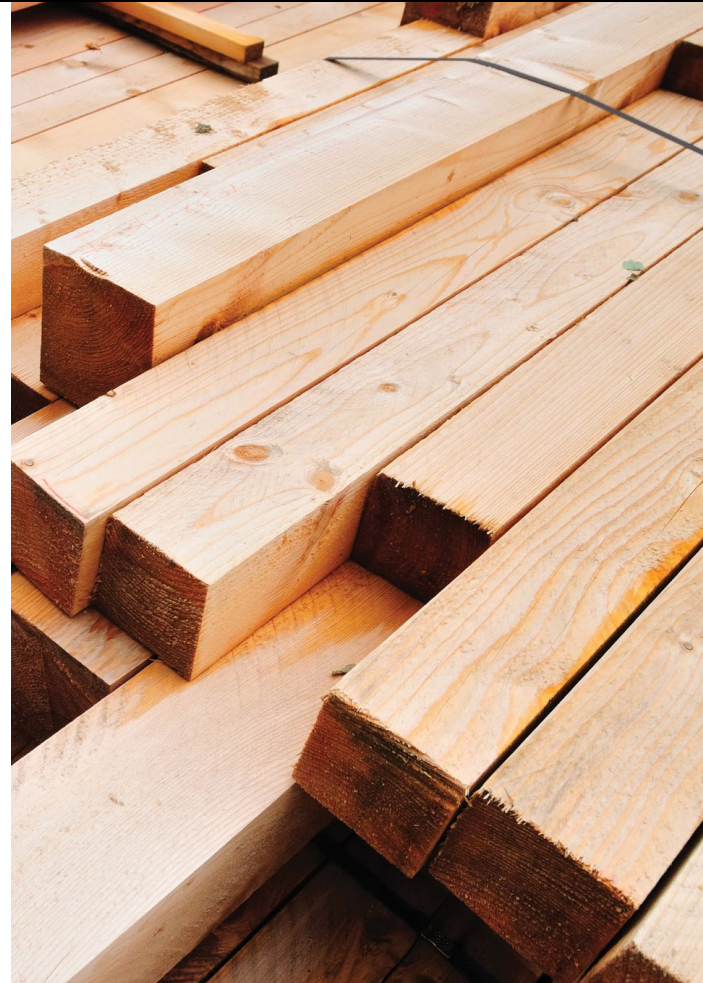
SOLUTION ▼

To solve the issue, Diamond recommended its O-Ring chain. O-Ring chain is one of Diamond's reduced maintenance product offerings and is constructed with polymer o-rings that seal a specially formulated lubricant into every joint while sealing out contaminants, such as dirt and moisture, thus extending the life of the chain.

While regular lubrication of the pin/bushing joint is not required with Diamond® O-Ring chain, the use of supplemental lubrication can extend the life of the chain even further.

RESULTS THAT MATTER ▼

After replacing the chains on the board sander with Diamond Series O-Ring chain, this manufacturer would see an increase in four weeks of service life—saving them \$41,230 in one year and \$206,150 after five years.



First Year Savings

\$41,230

Five Year Savings

\$206,150