

Industry: Forestry Pulp & Paper
End User: Canadian Saw Mill
Application: Saw Mill Bumper Bar, Lumber Mill
Thordon Grade: SXL
Date of Original Installation: April 2006

Challenge:

The lumber at the Canadian Saw Mill is sorted using a mechanical arm that directs the lumber into various bins. The sorter arm has a mechanical stopper, which was a piece of vulcanized rubber bonded to a steep pipe. The Canadian Saw Mill was looking for an alternative solution, as the rubber/pipe solution was being replaced as frequently as every 4 weeks in some positions.

Solution:

Thordon SXL was recommended due to its ability to resist impact, vibration and reduce wear.

Results:

The results have been very successful, as the saw mill is retrofitting all bumper arms in the mill as they are needed to be replaced. We have supplied 30 tubes of SXL to date.

- Cost of the previous material: \$108/ 330mm
- Cost of replacing the previous material: unknown
- Wear life of previous material: 3 to 4 weeks
- Cost of Thordon material: \$89/ 330mm
- Wear life of Thordon Material: 24 weeks with minimal wear

Other Interesting Notes:

- Supplying material cast to final diameters (0.625" ID x 1.300" OD) was critical to offering competitive pricing.
- Some saw mills don't employ this sorter arm design; rather they use a pneumatically controlled arm with no mechanical stopper.

