

Saw Mill Bumper Bar

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

Challenge:

The lumber at the saw mill is sorted using a mechanical arm that directs the lumber into various bins. The sorter arm has a mechanical stopper, we have used SXL to prevent damage to the stopper.

Previous Solution:

The previous solution was a piece of vulcanized rubber bonded to a steel pipe.

Reason for considering Thordon:

The saw mill was willing to consider an alternative to the previous solution, as the rubber/ pipe solution needed to be replaced as frequently as every 4 weeks in some positions.

Thordon Solution:

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

Outcome

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.

