

**Customer**  
Corrugated packaging  
manufacturer

**Industry**  
Pulp & Paper

**Application**  
Wood yard New York  
Blower 300 GI fan

**Rexnord Solution**  
SHURLOK® Roller  
Bearing

**Total Annual Savings**  
\$5,280

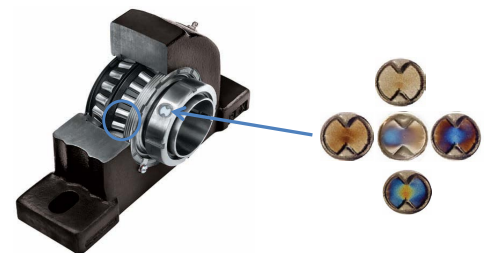
## Easy-to-install SHURLOK bearings reduce costs by 65% in paper mill.

### Challenge

A global manufacturer of corrugated packaging and displays had recurring problems with the bearings used on the shafts of two fans in the chipper area of their facility. The industrial fans were used to blow sawdust from the wood yard into dust collectors. The conventional pillow block mounted roller bearings on the fan shafts were failing prematurely due to improper installation and contamination from dust and wood chips. Rather than risk an unexpected failure that could result in downtime, the company regularly removed and discarded the bearings every six months.

### Rexnord Solution

Rexnord recommended using the easy-to-install SHURLOK Adapter Mounted Roller Bearings. These bearings offer the exclusive Spyglass™ Optical Strain Sensor technology that provides visual confirmation of correct mounting tightness, assuring a proper bearing-to-shaft connection. The customer selected the standard Rex "Z" seal, as this seal has performed successfully throughout the mill.



The Spyglass of the SHURLOK bearing turns colors, providing visual confirmation of proper mounting tightness.

### Rexnord Solutions and Savings in Action

The SHURLOK solution is expected to provide a minimum of twice the life, reducing the annual bearing spend by 40%. In addition, the bearing is easier and faster to install. Combined with a longer life, the annual installation spend was reduced by 80%. The total annual spend on the bearings was reduced by 65%.

For a detailed cost analysis for your application, contact your local Rexnord Representative.



## Calculating the Annual Total Cost of Ownership (TCO)

Rexnord worked with the customer to determine their current cost of ownership and compared that to the cost of the Rexnord solution. Factors considered were:

- Acquisition costs of bearings
- Installation costs
- Expected life

## Annual Cost Analysis Breakdown

### Acquisition Costs

	Purchase Price	Expected Life (years)	Units Installed	Total
Current product	\$396	0.5	4	\$3,168
Rexnord SHURLOK Bearing	\$464	1.00	4	\$1,856
<b>Annualized Savings</b>				<b>\$1,312</b>

### Installation Costs

Reduced from 5 hours to 2 hours.

	Cost/Install	Installations/Year	Units Installed	Total
Current product	\$620	2.00	4	\$4,960
Rexnord SHURLOK Bearing	\$248	1.00	4	\$992
<b>Annualized Savings</b>				<b>\$3,968</b>

## Rexnord Solution Annual Savings Summary

Total current cost	\$8,128
Total proposed cost	\$2,848
Total savings per year	\$5,280
TCO reduction percent	65%

**Total Cost of Ownership Annual Savings: \$5,280**