

Case Study

Blue Brute Bearings



INDUSTRY

Wood Treatment Plant

PROBLEM

The autoclave swing bridge allows the carriage of timber via light rail into a 3 metre outside diameter autoclave that treats logs via CCA process which are then used in industrial applications such as power lines.

Traditionally mounted via SNG split housings, the bridge is lowered into position and the light rail carriage is driven by a heavy loader into place. If the user is not careful the loader bucket can impact on the bridge lip causing the SNG unit to crack rendering the bridge inoperable resulting in the autoclave being out of action. At a cost of 4 processes per day worth \$15,000 each in production; ultimately the site can be down \$60k in income per day. This problem had occurring approximately twice a year.



APPLICATION

Autoclave Swing Bridge

SOLUTION

While on site BSC identified a damaged SNG housing and recommended the use of the Blue Brute QMSN alternative. The site fitted the Blue Brute units and after a 12 month period with documented strikes on the bridge lip the Blue Brute units are still intact with no sign of damage. The machined steel construction on the Blue Brute bearing proves to be a solid match against the power of a Komatsu loader.

BENEFIT

The customer in 12 months period alone has experienced increased output of upward \$120,000 in product and continues to receive no further downtime due to user error resulting from loaders impacting on the autoclave swing bridge.

