

Case Study

Molded Oil Bearings



INDUSTRY

Sugar Mill

PROBLEM

With 'state of the art' fully automated sugar mill processing cane through to the syrup stage. The Mill was experiencing serious life problems with bearings in its slurry pumps and Mill. The bearings are exposed to water containing caustics and other chemicals and the lower bearing is often totally submerged....not a nice environment to change out bearings in! The ingress of water and chemical inclusions into the spherical roller bearings caused contaminated lubrication, resulting in giving the Mill an average of only two months life ...and 3 changes per pump being required every season.



APPLICATION

Slurry Pumps

SOLUTION

For BSC the solution was straightforward and proven – NSK Molded Oil bearings contain an integral solid lubricant consisting of lubricating oil and polyolefin resin designed to last 8 years of continuous running and are maintenance-free.

BENEFIT

In the slurry pump applications alone, Molded Oil has saved the Mill over \$25,000 per annum in Maintenance and Materials Savings

The Molded Oil bearings have now completed a full season without failure and will remain in service for at least a further year.

As a result of this experience it is the customers intention to install Molded Oil in all vertical shaft applications and where extended lubrication life is necessary.

