



MAXAM® BEARINGS

The Problem Solver

**SOUTHEAST PULP MILL SAVES OVER \$150,000
WITH BEARINGCHANGE**



The operating environment at pulp mills can be tough on bearings and other wearparts, like conveyor tail pulley bearings, kiln car wheel bearings, and shifter arm bushings.

An Alabama pulp mill had to change out the bearings on the high-end of their conveyor to the rotating kiln 7 or 8 times per year resulting in very costly kiln downtime.

Despite a pressurized feed of high-temp grease and protective lube seals on each bearing, the ball bearings deteriorated rapidly. A switch to roller bearings fared no better. The rollers would get pitted up. The races and cages would break down from the intense heat and moisture, lock up and disintegrate.

Usually the maintenance mechanics could predict the bearing failure when higher ampson the drive motor were noticed, but often the bearing failure was not recognized until there was damage to the shaft, as well. Each bearing change-out resulted in a 6 hr. shut down of the kiln, as well as the cost of two mechanics, a new set of bearings and oftentimes a shaft.

The mill asked their bearing supplier to find a bearing which would give them at least a year. MAXAM bearings were recommended and a set was installed in the conveyor's original pillow block housing. Over one year later during a scheduled shutdown, the shaft was pulled. The MAXAM bearings showed no wear to the race surfaces.

Based on that success, the maintenance team found other applications for MAXAM. One was on a snub roller where exposure to caustic fluids ruined seals, contaminated lube and caused premature failure to conventional bearings. Another application found for MAXAM was in their agitator, which was exposed to caustic lime mud and water. The fact that MAXAM material is non-corrosive and doesn't rust solved the problem.

If you are experiencing premature failure on bearings and other wear parts, contact your bearing distributor and ask them for MAXAM or contact McNeil Industries.

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