

Oregon Paper Mill Repairs Damaged Chipper Disk With CeramAlloy... Savings Could Top \$100,000!



One year after repairs were made to all 8 pockets of a large (150+ inch diameter) chipper anvil, the enclosed photos were taken. The repairs involved rebuilding badly worn areas, which, if allowed to progress, would have threatened the structural integrity of the wheel. Replacement would have cost up to \$100,000 plus even more costly downtime

The ends of each

pocket had been eroded by about 2 inches, the shelf by $\frac{3}{4}$ inch, and the face by up to $\frac{1}{2}$ inch. Two kilograms of CeramAlloy CP+ were used to rebuild each pocket, followed by an overlay of CeramAlloy CL+ to protect the first eight inches of the face. Material costs were less than \$3,500, and labor consisted of two plant people, plus the ENECON Field Engineer, for 1-

1/2 days, which included surface preparation.

In the pictures, wood residue shows as discoloration, especially on the face. The CL+ in those areas is virtually unaffected. The knives are changed daily by loosening the top two rows of studs with an impact wrench. The wrench has chipped pieces out of the face, but these do not progress beyond

the initial damage, and are not considered significant. Incidentally, the erosion is so severe that the steel nuts are worn round and must be replaced frequently!

This very successful application in an extremely severe environment demonstrates just how good ENECON CeramAlloy systems really are. They are the ideal choice for some of the toughest applications.