



CASE STUDY

End Market Industry

Coal Fired Power Plant

Application

Coal Mill Pulverizer Fan

Original Components

Ten C240 V-Belts with 30.00" dR sheave & 11.00" dN sheave powered by a 125HP motor driving the fan at 585RPM.

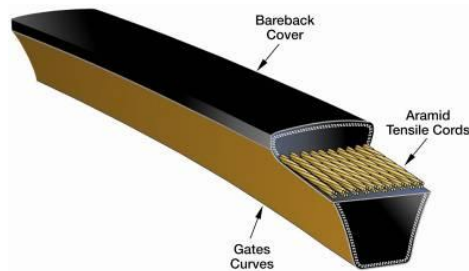


Problem

Belts had to be replaced three times per year due to sheave wear and belt stretch. The replacement belt installation took two maintenance personnel eight hours, and the plant had to run on expensive natural gas when down.

Solution Description

Replaced drive with 4/CP240 Predator[®] PowerBand[®] and 4-groove sheaves.



Benefits of Gates Product

The Gates Predator[®] drive has now run without shut down for one year. First year savings including drive components and labor savings total \$2,110. This is not including the cost of natural gas saved by eliminating shutdowns. . After the success of the initial drive conversion, a second coal mill was also converted to Predator. This doubled the plant's annual savings.

Submitted by: Neil Muchowski