

Case Study

Carlisle Drive Engineer



INDUSTRY

Quarry

PROBLEM

The output of the Pug Mill was falling off and causing issues with plant throughput. The drive had been regularly serviced with new drive gear and monitoring to ensure the best drive results from the gearbox and motor, however continuous stalling was a problem. The weak link was the V belt drive. This was the same specified drive from the original plant, possibly with the original ironware.



APPLICATION

Pug Mill

SOLUTION

The drive was visually inspected by BSC, the pulleys measured and compared to the ISO tolerance gauges, and the main drive information was then taken and entered into the Carlisle Drive Engineer calculation program. The drive was analysed for performance and life expectancy and a proposal for the drive was put subsequently put forward to enhance the life and performance.

BENEFIT

Upgrading the drive to the Carlisle Gold Label product and supplying fresh new pulleys would offer this Pug Mill a drive system capable of 3 years continuous life. The change of the drive to this type of Cogged belt would also benefit the site in power consumption reduction and the release of more maintenance time for other important matters around the plant.