

SUCCESS STORY

V-BELT



INDUSTRY

Mining & Aggregate

APPLICATION

Cone Crusher

COMPANY PROFILE

Mineral Extraction Quarry

PROBLEM

A cone crusher used 10 single D255 v-belts. The belts were not ordered as a matched set and some would bounce in the sheave while the drive ran. The belts would experience extreme slippage and an unequal distribution of load causing premature failure. The belts also had been installed with the incorrect tensioning and sheaves out of alignment.

SOLUTION

Optibelt VB D255 Classical Sections

RESULTS

OPTIBELT replaced the existing belts with classical section v-belts and re-aligned the drive using OPTIBELT's Laser Alignment tool. 10 VB single D255 belts were used and were properly tensioned. Optibelt's S=C Plus length tolerance ensured an equal distribution of load eliminated the need for Matched-Set v-belt ordering and stocking. In addition Optibelt S=C Plus v-belts used less energy and generated more power.

DRIVE SPECIFICATIONS

V-belt drive with ten Optibelt VB D255