

# CASE STUDY: JAW CRUSHER

## INCREASES CAPACITY

Van Rooyen Machinery (VRM) Construction needed a jaw crusher in order to compete a fully mobile crushing and screening train and Pilot Crushtec has met this need.

"VRM Construction is currently building a shopping mall in Polokwane and found it needed a jaw crusher to act as a primary crusher in a fully mobile train," explains Nicolan Govender, Pilot Crushtec national sales manager.

Pilot Crushtec, South Africa's leading supplier of crushing, screening and stockpiling equipment, thus supplied VRM Construction with a fully mobile Terex Finlay J-1160 jaw crusher to add to its previously delivered equipment.

The relationship between Pilot Crushtec and VRM Construction goes back to May 2009 when the contractor's first mobile machine, a Terex Finlay C-1540 cone crusher, was delivered.

"For most of 2009, VRM Construction's cone crusher worked with another Pilot Crushtec customer's Terex Finlay jaw crusher and Terex Finlay screen at the shopping mall site in Polokwane," Govender explained.

When 2010 dawned, VRM Construction then decided to build its own fully mobile train and a mobile Terex Finlay 683 screen was purchased during March 2010 which immediately got to work screening off

oversized material going into the cone crusher. "VRM Construction noticed it had larger oversized material and bought a second hand Terex Finlay 595 Hydratrak to scalp off material larger than 100mm to ensure that the train only received material smaller than 100mm," said Govender.

The contractor then realised it was quickly building up a large stockpile of this oversize material and approached Pilot Crushtec to supply a jaw crusher.

Pilot Crushtec's InstallLink team commissioned the Terex Finlay J-1160 during September 2010 and, since then, the whole plant has been running smoothly thanks to the after sales service supplied to VRM Construction.

"We always tell our customers that our machines won't give 100% availability all the time but we at Pilot Crushtec do claim that after sales service supplied by our

SupportLink teams will keep these machines' downtime to a minimum," claims Govender.

With its integrated pre-screen, 5m<sup>3</sup> hopper, heavy duty vibrating grizzly feeder and Jaques 1000mm x 600mm single toggle jaw crusher, the Terex Finlay J-1160 jaw crusher has the

ability to meet any primary crushing requirement. With its 400mm wide tracks, it is easily tracked to where the workface is situated.

Pilot Crushtec also supplied VRM Construction with a 10 metre long Pilot Modular MC600 conveyor, which is part of a full range of Pilot Modular conveyors available in various widths and lengths and designed to work with all crushers and screens available.



"The 35 ton Terex Finlay J-1160 jaw crusher is ideal for this application as it is designed to act as a primary crusher, particularly if it works together with a cone crusher like the Terex Finlay C-1540. VRM Construction is now able to meet its crushing needs.

"I believe VRM Construction chose Pilot Crushtec as its supplier in this regard because of the service record we have built up with that company since we delivered its first machine," explains Govender.

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