

Conveyor Belt Rollers

Project: Conveyor Belt Drive Rollers

Category: Wear & Abrasion Protection

Completion

Date: 2007 - Ongoing

Product: Duraspray – Dual Colour Layer for wear indication, 10 to 12mm DFT

Dealer: Rhino Linings Gippsland

Job Description

The Lining of this conveyer belt drive roller was eroded due to the abrasive nature of coal dust.

Power Stations and Mining Companies normally discard these rollers when damaged, resulting in quite an expense to replace them. Our Rhino Linings dealer developed a technique to restore the rollers, much to the appreciation of a local power station.

The old lagging was stripped off the roller and prepared for spraying. A 4mm thick guide coat of white Rhino Linings Duraspray was applied followed by a 6 to 8mm thick grey pigmented Rhino Linings Duraspray layer.

To complete the work a special jig was built enabling the rollers, sometimes weighing up to 5 tonne, to be sprayed and lished in one jig. This specially constructed jig enabled the Rhino Linings Dealer to lish the completed roller surface perfectly round following the spray application prior to giving the finished product back to the client.

To date one of the rollers has been in operation continuously for the past 18 months with minimal wear. Further restoration to other rollers is now in planning.



Before...

