

## ASGCO® Dura-Sleeve V-Return Idlers Solve Belt Tracking Problems at This High Tonnage South American Copper Mine.

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| <b>Industry</b>    | Very Heavy Duty Copper Mine  |
| <b>Application</b> | #3 Overlander Crusher Belts  |
| <b>Product</b>     | ASGCO® Dura-Sleeve® V-Return (72")   |
| <b>Objective</b>   | Provide reliable rollers, better alternative to inadequate rollers that fail consistently( |

### Challenge:

The challenge was to be able to provide a superior roller in terms of design and wear resistance that would last longer than 6 months to be able to coordinate rollers changes between major stoppage shutdown schedules. Currently the rollers specified from Project were a rubber disc design that began to fail in the high speed curvature zone on this extremely demanding Overland primary crusher conveyor.

### Recommendations:

We recommended a pair of Dura-Sleeve® Idler V-Return units for the 72" wide belt with very high abrasion resistant capabilities. The urethane compound provides higher wearability than the standard rubber discs in abrasive environments and with little or no build-up, thus ensuring very even and gradual wear. The conveyor belts overlander curved zones, where they would need an excellent quality tapered bearing and strong bearing housing construction. The Dura-sleeve could meet the high demands of significantly high belts speeds and extremely high tonnage and the light weight concept would also aid maintenance workers to replace these rollers in shutdown situations.



### Results

The customer was experimenting with different rollers because of the demanding conditions. The introduction and installation of the ASGCO® Dura-Sleeve® V-Return Idler proved to be extremely reliable and the light weight design passed health and safety procedures for 2 maintenance personnel to lift and properly install the rollers without causing strain to their backs ergonomically. They were as light weight as the previous rubber disc design and very easy to install at the moment they need to be changed, exceeding all expectations.

### **ASGCO® Dura-Sleeve Return Idlers**



- **Patented Design** – of our idler sleeve clamping system utilizes you to replace worn out rubber or other urethane disc return idlers.
- **Abrasion Resistant Urethane** – compounds provide wear ability that exceeds 5 times the wear life of standard rubber disc return idlers.
- **Meets all CEMA Standards** – and available in any conveyor belt width and inside and outside roller diameter.