

ASGCO® Tru-Trainer® Tapered Troughing System Eliminates Belt Tracking Issues at This South American Copper Mine.

Industry:	Copper Ore Mining
Application:	#3 Overlander Crusher Belt (High Tonnage - 8000 tons per hour/23 ft per second)
Product:	ASGCO® 72" Urethane Tapered Troughing Tru-Trainers®
Objective:	To prevent belt tracking issues before the critical curved areas of the belt, causing belt damage.

Challenge

The challenge was to track a horizontally curved, overland primary crusher belt before it gets to a critical mis-tracking stage and eventually damages the belting system. This would be an exceptionally difficult challenge due to the harsh environmental conditions of the operation. They had been using conventional guide roller trackers which continually failed, causing belt damage.



Solution:

ASGCO® recommended a series of Tru-Trainer® Tapered Troughing Idlers be installed before the curved section of the belt. This would center the belt before those critical areas, avoiding the possible loss of material due to belt mis-tracking on these high speed and high tonnage loads on the overland crusher belts.

Results:

This new generation of Tru-Trainer® Tapered Troughing Idlers is very easy to install thanks to its' unique design concept. The center roller does all the belt's steering. It's quicker to react than conventional trainers with guide rolls. The internal sealed pivot was protected from the harsh elements and fugitive build-up in the copper mill. ASGCO®'s Tru-Trainer® Tapered Troughing Idler's superior belt tracking performance is saving the mine money due to less spillage, less downtime and less belt wear. And the customer was ecstatic with the number of units correctly installed in the minimal allowable time for their maintenance window.

Tru-Trainer® Tapered Troughing Idler



- **Exceptional Performance** – The combination of the tapers and unique center pivot, provide fast, reactive and continual tracking in all conditions
- **Individual rollers for easy replacement** – Both the taper and center roller can be individually replaced as wear occurs.
- **Enhanced Center Pivot** – The unique heavy duty pivot design provides instant activation to centralize the belt to keep it running center.
- **Maintenance Free** – Bearings do not require any greasing

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