

# ASGCO®

Complete Conveyor Solutions

# SOLUTIONS

October 2019

## ASGCO®'s Tru-Trainer® (Dual Return) Conveyor Belt Tracking Idlers Improve Production Uptime On A Critical Primary Crusher Belt Conveyor At One Of The Largest Copper Mines in Chile

### CHALLENGE:

Production department complained to the maintenance superintendents about the unavailability of the conveyor belt for unknown motives when running in dryer conditions without a counter weight. This particular conveyor belt tended to mistrack when the belt was running but not loaded. As a result, the mistrack sensors would constantly stop a conveyor belt that outputs roughly 10,800 tons of copper ore per hour. After many head and tail pulley calibrations the problems continued and ASGCO® was called in to specify an effective tracking system.



### SOLUTION/

ASGCO®'s representatives performed a complete conveyor survey and had mine personnel describe the issues. After thorough analysis, ASGCO® recommended installing two 96" Dual Return Tru-Trainers®. With a solution in mind, the main issue the site faced was stopping operations for a prolonged period of time. With only 4 to 5 hours available for installation, ASGCO® adapted to the situation and installed both Dual Return Tru-Trainers on a Sunday while maintenance supervisors were on leave without contracting any additional resources.

### RESULTS/

Following ASGCO®'s improvements, the conveyor belt now remains centered when running without a load and does not trigger mistracking sensors which would cause unplanned down time, use of electrical personnel and unplanned production stoppage. As a result, on-site staff can now use the conveyor belt at all times and production in the copper mine has increased.

