



ITT

Conoflow

GB50 Series Piston Actuator Application Story

Located in Southern Ontario Canada, South Mining Company is a hard rock mine producer that extracts ore rich deposits comprised primarily of nickel and copper base metals.

In underground mining there is always a certain amount of water used for drilling, cutting, washing, regular maintenance and seepage. In this harsh environment, there are always fine rock cuttings, residual slime and mud buildups. If these deposits are not removed they become very hard and become difficult to displace.

They utilize the Conoflow Model GB50 Series Piston Actuator on its pumping stations used to clear the sand, mud and other obstructions.

The Conoflow GB50 Series Piston Actuator is assembled to the drive motor assembly of its pumping stations. Under production conditions it is of the utmost importance that the Conoflow GB50 Series Piston Actuator maintains its positioning that controls the speed of the drive motor that is operating the pumping cycle.

The Conoflow GB50 Piston Actuator is equipped to not only maintain the speed of the pump motors constant demands but is also equipped with optional assemblies that allows the stem to retract upon air failure shutting off the pumping station eliminating possible failures and downtime.



The GB50 Series Piston Actuator was selected due to its rugged design needed in the harsh mining environment.