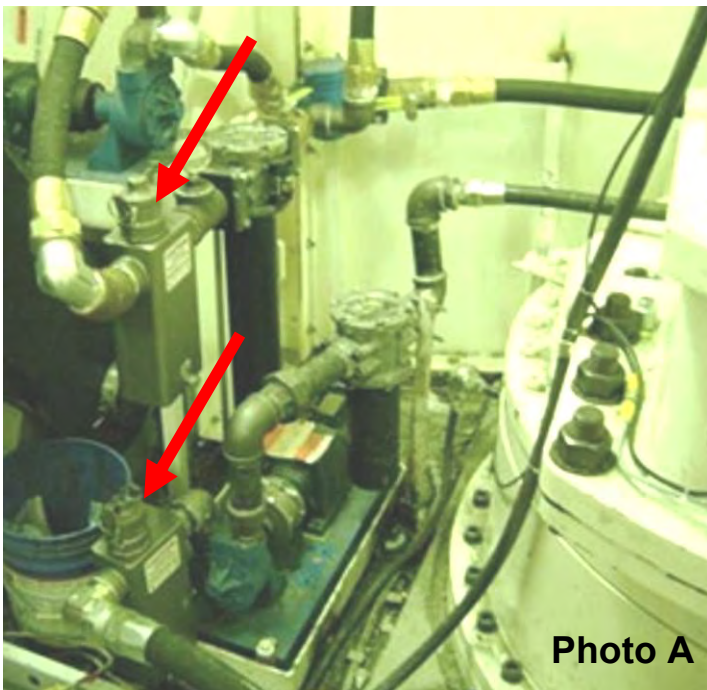


Case Study: New Equipment



Crowd Case Filtration



P&H 2800 XPC

Copper Mine

Magna, Utah

May 2009

APPLICATION: New P&H 2800 XPC Shovel

SOLUTION: Keeping with their proactive maintenance program, installation of OEI's magnetic filters on the Crowd, Hoist and Swing Case kidney loop systems were mandated.

RESULTS: The following photos show the installation of OEI magnetic filters throughout this shovel. Photo A shows the installation of the OEI's magnetic filters (5SCPT12SCL) on the crowd case kidney loop systems prior to the traditional filters and when possible prior to the circulation pump, this location protects the circulation pump from ferrous contamination with no flow restriction. Installation prior to traditional filtration allows the OEI magnetic filter to capture the ferrous particles decreasing the chance for channeling (worm holing) and extending the life of the filters.

Photo B shows the installation of the OEI's magnetic filters on the swing case kidney loop located prior to the circulation pump.

Photo C shows the installation of the hoist case kidney loop

Photos D & E are the results from the hoist case filtration system after only 200hrs.

The OEI magnetic filter is easily cleaned and the trapped contamination analyzed for component wear identification allowing predictive maintenance planning. For further information contact our office or visit our website www.OneEyeIndustries.com.

Swing Case Filtration



Hoist Case Filtration

