



## CASE STUDY

CUSTOMER

**COPPER MINE**

LOCATION

**MAGNA, UTAH USA / MAY 2009**

EQUIPMENT

**NEW P&H 2800 XPC SHOVEL**

APPLICATION

**LUBE OIL**

**PROVEN  
RESULTS**



**IMPROVED  
QUALITY  
OF OIL**

### CHALLENGE

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 photos show the installation of OEI magnetic filters throughout this shovel. Photo A shows the installation of the OEI magnetic filter scrubbers 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.



**PRODUCT  
RECOMMENDATION**  
**MAGNETIC  
FILTER SCRUBBER**



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