



CASE STUDY

CUSTOMER

OIL SANDS

LOCATION

FORT MCMURRAY, AB CANADA / MAY 2009

EQUIPMENT

NEW P&H 4100C GEAR BOX

APPLICATION

LUBE OIL

PROVEN RESULTS



SYSTEMS PROTECTED FROM WEAR AND QUALITY OF OIL INCREASED

CHALLENGE

Metal contamination in the crowd and hoist gear boxes.

SOLUTION

P&H MinePro Canada a distributor for OEI filtration solutions in keeping with their proactive maintenance program installed OEI magnetic filters in the Crowd and Hoist gear boxes.

RESULTS

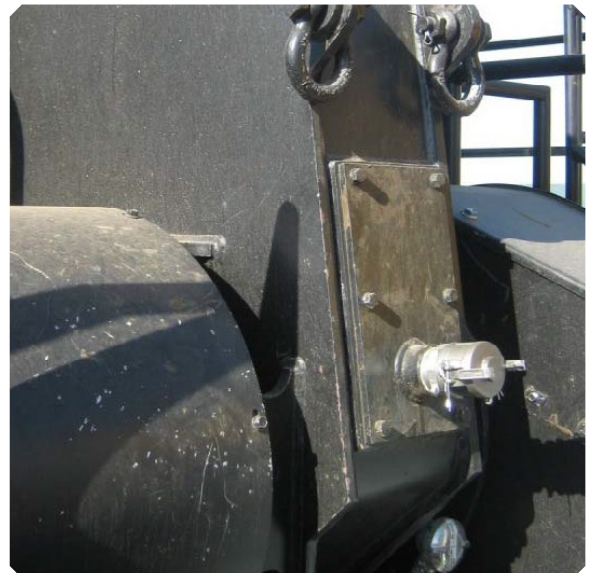
The photos show the installation and results of OEI magnetic filters on this shovel.

Photo A shows the installed magnetic filter on the inspection plate of the swing case for optimum filtration and easy access.

Photo B shows the contamination (down to submicron in size) removed by the magnetic filter after 500 hours.

Photo C shows the installation of the magnetic scrubber installed prior to the pump on the hoist case lubrication system this location protects the circulation pump with no flow restriction and is extending the life of the traditional filters.

Photo D shows the contamination removed from the hoist case. Much of the contamination is manufacturing and break in wear, left in the system it will result in reduced component life.



PRODUCT RECOMMENDATION
MAGNETIC FILTER SCRUBBER



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