



CASE STUDY

CUSTOMER

YANACOCHA GOLD MINE

LOCATION

CAJAMARCA, PERU / JUL 2008

EQUIPMENT

CAT 24H TANDEM/BRAKE RESERVOIRS

APPLICATION

LUBE OIL

PROVEN
RESULTSREMOVED
CONTAMINATION
FROM RESERVOIRS

“ This allowed us to work with cleaner oil and eliminated the added erosion produced by metallic particles dispersed in the oil. The tandems have no other type of filtration, and these Magnetic Filters extracted contaminant metals more aggressively from the oil systems, permitting extended service life of brakes, firstly and of the tandem.”

-Juan Inga, Engineer

CHALLENGE

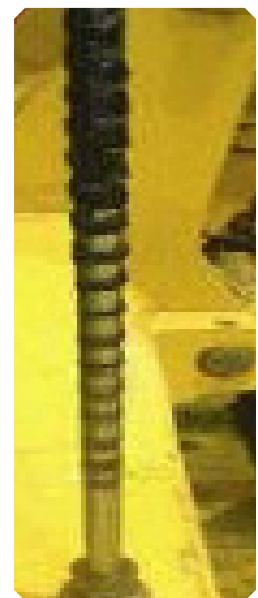
Excessive amount of metal contamination in the lube oil is the result of wear from the chain, sprocket and gears in a reservoir that has no filtration. This lube oil also acts as a coolant for the wet brakes causing premature brake disk and bearing failure.

SOLUTION

Install an OEI magnetic filter element per tandem on each side. This is a simple procedure when they are installed through the inspection cover and located in the optimum splash area.

RESULTS

The adjacent photos show the contamination removed from the reservoir.



PRODUCT
RECOMMENDATION

MAGNETIC FILTER
ELEMENT



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