



CASE STUDY

CUSTOMER

NORTH AMERICAN CONSTRUCTION GROUP

LOCATION

CALGARY, AB CANADA / MAR 2009

EQUIPMENT

WATSON FOUNDATION DRILL 3100

APPLICATION

HYDRAULIC FILTRATION

PROVEN RESULTS

IMPROVED
QUALITY
OF FLUID

“The custom scrubber with the powerful rare earth magnetic filter has proven to clean up the fluid and act as a great diagnostic tool identifying the possible premature wear problems with our heavy equipment. The analysis of the metal fragments upon extraction can determine the metal type helping to conclude which part is failing. The cost savings due to the preventative measures to repair prior to a breakdown keeping the equipment on the worksite rather in the shop are substantial.”

- George Novak, North American Construction Group

PROBLEM

Premature wear of hydraulic system components as a result of ferrous contamination resulting in down time for repairs.

SOLUTION

Permanent installation of a modifying a 5000 series magnetic filtration scrubber onto the existing return manifold.

RESULTS

A photo shows the results of the magnetic filter, the captured contamination is ferrous metal down to submicron levels. This contamination was flowing through the traditional filters and causing premature wear resulting in equipment failure. This metal also cuts holes in the traditional filtration media (worm holing).

PRODUCT
RECOMMENDATION**MAGNETIC
FILTER SCRUBBER**

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