CASE STUDY

CUSTOMER
KINECOR INC.

LOCATION
CALGARY, AB CANADA / NOV 2005

EQUIPMENT
HYDRAULICS TEST BENCH

APPLICATION
HYDRAULIC FLUID

PROVEN RESULTS

INCREASED MAINTENANCE QUALITY

"As a hydraulic service company, we are well aware of the damage that ferrous contamination between the <1 to 10 micron range does, especially with the very high tolerances on new equipment. Removing it from our own system gives us the confidence that this is the best test facility anywhere."

- Don Fandrick, the Manager

CHALLENGE

INTERNAL

-Protect a $250,000 hydraulic test bench and 2 $40,000 pumps from:
-Contamination entering the system from old equipment being tested.
-Cross-contamination of new equipment
-Ensure absolute cleanliness of the 300 gallon hydraulic reservoir.

EXTERNAL

-Increase protection of the critical hydraulic system on large vacuum trucks used in the oil & gas industry

SOLUTION

1) Install an OEI magnetic filter element into the hydraulic reservoir. 2) Install two OEI magnetic filter pads – one pad on each of the 2 micron filters on the hydraulic return lines. 3) Add an OEI magnetic filter element in the hydraulic reservoir tanks of vacuum trucks

PRODUCT RECOMMENDATION

MAGNETIC FILTER ELEMENT
MAGNETIC FILTER PAD

RESULTS

-Removal of ferrous contamination from new hydraulic oil
-Increased system up time.
-Increased life of critical components (valves, pumps, motors etc).
-Reduced erosion.
-Reduced wear.
-Extended Filter Life.
-Reduced filter disposal costs.

- Peace of mind knowing your capital equipment has a reduced wear cycle
-No fluid change needed after a pump failure.

"Our team was totally astonished at the amount of contamination that the OEI magnetic filter element has removed.
We just had the tank re-vacuumed before it was filled and considered the entire system absolutely clean. The amount of contamination the FM3000 removed is amazing. And most of it is less than 10 microns in size."

- Don Fandrick, the Manager