



## CASE STUDY

CUSTOMER

**POWERPURE**

LOCATION

**OHIO, USA / JUL - SEP 2013**

EQUIPMENT

**HYDRAULIC TEST BENCH**

APPLICATION

**HYDRAULIC FLUID**

### PROVEN RESULTS



CONSIDERABLE AMOUNT OF CONTAMINATION WAS COLLECTED AFTER 8 HOURS OF WORK

### CHALLENGE

Traditional filtration is unable to remove contamination below ten microns and the company wanted to ensure the life of their pump. Upon start-up there is much wear debris that is passed through the system due to machining and fabrication.

### SOLUTION

Craig Eppler of Power Pure suggested installing OEI's 5000 series scrubber prior to the traditional filter and the pump to ensure the protection of the pump during start up.

### RESULTS

Photos show a tremendous amount of contamination drawn from the system after only 8 hours. This ranged in size down to sub-micron levels. By removing this break in wear prior to the pump it was protected against the contamination, effectively increasing its life. In installing the magnetic filter before the traditional filter this removed the opportunity for the metal to cut holes in the paper element, retaining its integrity and prolonging its functionality in removing the non-ferrous contamination still present after the magnetic filter.



PRODUCT RECOMMENDATION  
**MAGNETIC FILTER SCRUBBER**



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