



## CASE STUDY

### CUSTOMER

LAFARGE CEMENT AND GRAVEL QUARRY

### LOCATION

EDMONTON, AB CANADA / MAR 2007

### EQUIPMENT

CLEMRO 500 NEW GRAVEL CRUSHER

### APPLICATION

HYDRAULIC FLUID

### PROVEN RESULTS



EXTEND THE OPERATIONAL LIFE OF THE HYDRAULIC EQUIPMENT

### CHALLENGE

Ferrous contamination during start up. When purchasing a new gravel crusher, maximizing the operational longevity of the equipment is very important. To protect the hydraulic system from premature failure is a very important aspect with the operational management. Ferrous metal under 10 microns in size is the most damaging contaminant in a closed hydraulic system and traditional filtration is unable to remove it.

### SOLUTION

Dave Hall the owner of Tri-Dave Gravel Sales was well aware of this problem and requested the manufacturer Clemro install an OEI magnetic filter scrubber on the suction side of the pump to extract and trap all the ferrous contamination down to and below 1 micron with no flow restriction.

### RESULTS

After 90 days of operation, the maintenance manger Garth Anderson stated he could not believe the amount of metal removed from the hydraulic fluid (90 litres) and that it was still clear. Anderson related these units are metal makers and this is the only way to affectively clean the fluid and extend the operational life of the hydraulic equipment, is clearly to employ quality magnetic filtration.



PRODUCT RECOMMENDATION  
**MAGNETIC FILTER SCRUBBER**



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