



## CASE STUDY

CUSTOMER

STEP ENERGY SERVICES

LOCATION

BLACKFALDS AB, CANADA / 2014

EQUIPMENT

COIL TUBING UNIT

APPLICATION

GLYCOL CIRCUIT

ROI

COMPONENT LIFE  
EXTENDED 1.7XANNUAL COST  
SAVING OF  
\$350,000

“The changeover of the \$280 traditional SS elements has been eliminated. “It is clear that the OEI magnetic filters when installed from new offer a higher level of cleanliness at a greatly reduced price [over traditional filtration]”

- Arthur Fekete, Service Manager

## CHALLENGE

An older coil tubing unit had a dirty coolant circulation system running 75 gpm at 150 psi, that required remediation. Over the course of 7 years, this coil tubing unit's glycol pump failed three times at a cost of:

- » \$300/pump
- » 4 hours of labour (\$25/hour)/new install
- » Glycol pump components on these systems have tolerances of under 10 microns; traditional filtration is incapable of protecting against the most damaging wear contamination in this system.

## SOLUTION

Install an OEI Magnetic Y-Strainer in accordance to the maintenance program for high filtration capability and guaranteed pump protection.

## RESULTS

After installing the OEI filter, the coolant pump on this system has not failed for 4 years, extending the pump life by 1.7 times. The annual cost savings for this pump is \$128. Based on average industry maintenance costs, the annual labour cost savings is \$75 solely for pump failure. This does not account for downtime, lost production or fluid replacement.



PRODUCT  
RECOMMENDATION  
**MAGNETIC FILTER  
Y-STRAINER**



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