



CASE STUDY

CUSTOMER

CALFRAC

LOCATION

RED DEER, AB CANADA / MAY 2013

EQUIPMENT

COIL TUBE UNIT HYDRAULIC RESERVOIR

APPLICATION

HYDRAULIC FLUID**PROVEN
RESULTS****NO PUMP
OR SEAL
FAILURES
IN 6 YEARS**

“It sure shows what traditional filters miss. If the metal was left in the system we may have lost a pump, not to mention seals”

- Colin Penz, Maintenance Manager

CHALLENGE

Ferrous contamination during pre-commissioning test of new equipment.

SOLUTION

Install an OEI magnetic filter element in the hydraulic reservoir. The removal of this contamination down to submicron level will extend hydraulic fluid and component life and increase system reliability.

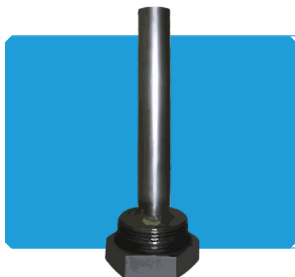
RESULTS

The magnetic filter rod was installed for warranty protection when the truck was built for Calfrac. The senior design engineer was so impressed he assigned the OEI filter as an OEM part. The second photo was taken after 20 months in the field.

The hydraulic system, pumps, and seals have been protected from failure and the system has operated without downtime since the installation of OEI's magnetic filtration technology in 2007. The third photo, taken in May 2013, shows the contamination collected on the rod since its last PM period.



CONTAMINATION COLLECTED AFTER 20 MONTHS



**PRODUCT
RECOMMENDATION
MAGNETIC FILTER
ELEMENT**



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