



CASE STUDY

CUSTOMER

CONSOL ENERGY, BAILEY MINE

LOCATION

PENNSYLVANIA, USA / JAN 2009

EQUIPMENT

13-H LW EMULSION SYSTEM

APPLICATION

FLUID

PROVEN RESULTS



EXTENDED THE COMPONENTS LIFE

REDUCED EMULSION LOSS

INCREASED UP-TIME

CHALLENGE

Ferrous contamination prematurely wearing the systems components, seals, pumps, connectors, hoses, valves, pistons etc. The most damaging contamination ferrous metal under 10 microns is flowing through the traditional filters.

The ferrous contamination is also compromising the media filtration integrity by cutting holes in it (referred to as worm holing and channeling the fluid).

SOLUTION

Install OEI magnetic filter elements inside the disposable return line filters (inside/out flow) that will filter down both ferrous and non ferrous contamination to submicron levels and significantly reduce the worm holing and channeling.

RESULTS

The adjacent photos show the amount of ferrous and non ferrous contamination trapped on the magnetic filter rod after only 4 days of operations. Removal of this contamination will extend the components life, reduce emulsion loss and increase up-time.



RECOMMENDED PRODUCT

MAGNETIC FILTER ELEMENT



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