

GAS PLANT COMPRESSOR

NAL Resources

Red Deer, Alberta, Canada

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APPLICATION: COMPRESSOR LUBE OIL

PURPOSE: NATURAL GAS PIPELINE

PROBLEM: FERROUS METAL CONTAMINATION

Al Gaetz the Plant Maintenance Manager identified a concern that the traditional filtration he had employed for his compressor (White) engine lube oil was not filtering the ferrous metal contamination to a level that would allow him to extend oil intervals and reduce premature wear.

SOLUTION: Installed an OEI magnetic filter rod on his portable oil change cart and then installed OEI magnetic filters at each compressor engine lube line via a T-pipe access.

RESULTS: After 500 hours, substantial Ferrous Metal contamination was extracted from the oil stream and trapped on the OEI magnetic filter that was missed by the traditional filters on the White engine (rebuilt). The target is to achieve in excess of 4000 hours between oil change intervals. To date the magnetic filters have been extracting substantial amounts of ferrous metal from the lube systems and Mr. Gaetz feels although it will take an extended period of time to fully appreciate the benefits of the removal of the fine ferrous metal it is very logical the wear cycle is being reduced.

