



CASE STUDY

CUSTOMER

KENNECOTT UTAH COPPER

LOCATION

MAGNA, UTAH USA / OCT 2007

EQUIPMENT

49R III ROTARY DRILL

APPLICATION

ROTARY GEAR OIL FILTRATION

PROVEN RESULTS

REDUCED
PREMATURE
WEAREXTENDED
THE OIL LIFE

CHALLENGE

No filtration and increasing levels of ferrous contamination (oil analysis) suspended in the oil. When the gear oil is replaced the fine metal contamination adheres to the gears and walls of the gear case.

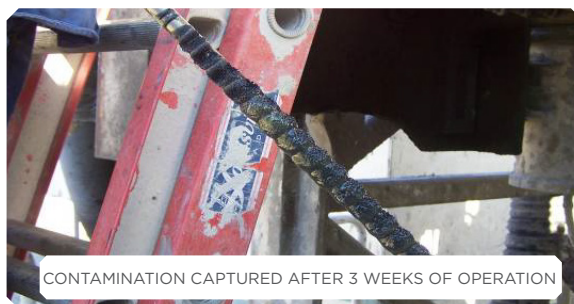
Left in the gear lube oil fluid these metal particles will prematurely wear the components and degrade the fluid viscosity.

SOLUTION

Install an OEI magnetic filter element in the optimum splash area of the rotary gear case.

RESULTS

After 3 weeks of operation the magnetic filter was removed and a significant amount of ferrous contamination was trapped on the magnetic filter element. This contamination is filtered from the oil down to submicron levels thereby reducing premature wear, extending the oil life planning and the gear box component life.

RECOMMENDED
PRODUCTMAGNETIC FILTER
ELEMENT

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