

## Magnetic Filtration Case Study



## Syncrude

### Oil Sands Open Pit Mine

FT. McMurray, Alberta, Canada

January 2006

**APPLICATION:** 793B Transmission

**PROBLEM:** Increase of Ferrous Metal Contamination in the transmission fluids.

**SOLUTION:** Replace OEMs' ceramic magnetic filters with OEIs' Magnetic Filter Rods (2RNC5169) with patented rare earth magnetic design.

**RESULTS:** After 500 hours, a substantial amount of Ferrous Metal was extracted and trapped on the OEI magnetic filter. If left in the fluid these metal particles will prematurely wear the transmission components and degrade the fluid viscosity.

The OEI magnetic filter is easily cleaned and the trapped contamination analyzed for component wear identification allowing predictive maintenance planning. For further information contact our office or visit our website [www.OneEyeIndustries.com](http://www.OneEyeIndustries.com).