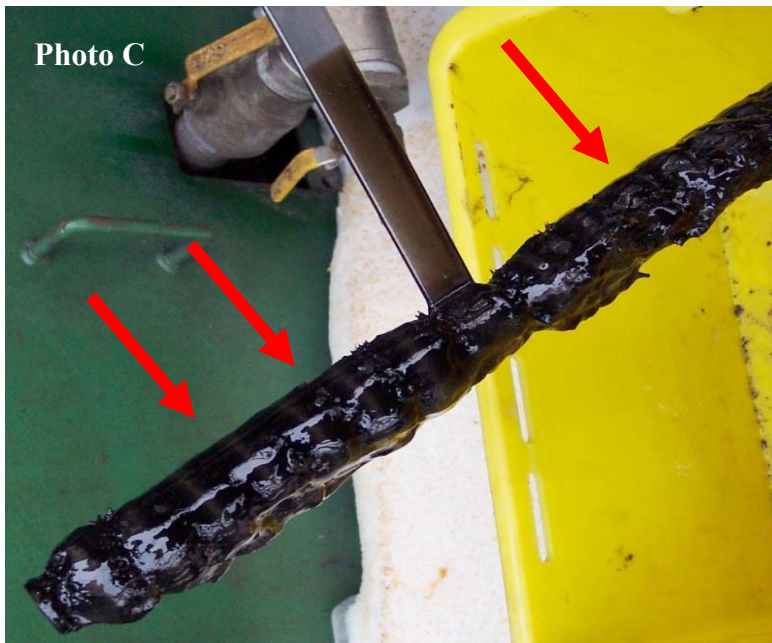


## Case Study: Drum Rollers



## Interquisa PTA Plant

Montreal, Quebec, Canada

January 2009

**APPLICATION:** T.A. Dryer (Photo A)

**PROBLEM:** Ferrous metal erosion contamination on the support roller lubrication system. The system does not have a filtration system for the lubrication oil. The contamination causes premature wear of the drums and plugs the oil spray lubrication.

**SOLUTION:** OEI designed a magnetic filter (2R16TH36) with a long handle capable of reaching under the support roller in the oiling tray. This will clean the oil to submicron levels.

**RESULTS:** This design showed great results as seen by the adjacent photos. Numerous passes were made to remove all the ferrous contaminants, once cleaned the magnetic filter will be left in the oiling tray to continue cleaning. This magnetic filter will extend the life of the oil and drum roller.

Interquisa's service manager was so impressed magnetic filters were ordered for the remaining support rollers.

The OEI magnetic filter is easily cleaned. For further information contact our office or visit our website

[www.OneEyeIndustries.com](http://www.OneEyeIndustries.com).