

# Glycol Circulation Pumps

Italy

## Problem

High concentrations of black powder contamination in the glycol system composed of particles too small for a y-strainer filter screen to remove. This corrosion resulted in abrasive iron sulfides and iron oxides reducing the life of the glycol, and wearing on the circulation pumps and components.

## Solution

Install a magnetic separator upstream of six pumps to test its capability of removing black powder contamination to sub-micron levels.

## Results

A significant amount of black powder was removed from the glycol system that otherwise would have easily passed through mesh screens. Since installing the magnetic separator systems in 2008, the pumps have operated at full efficiency without failure.

