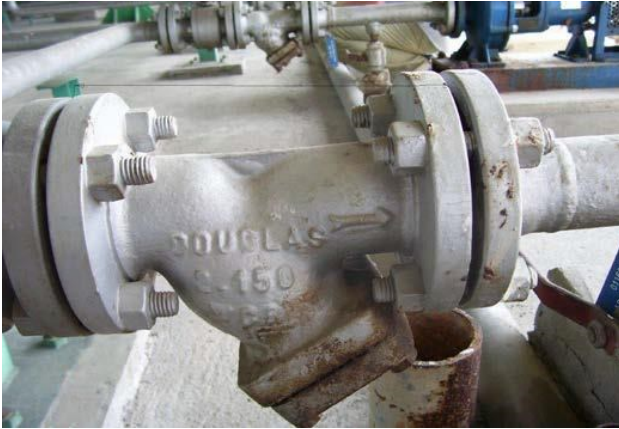


Forma Gas Compression Station Black Powder Removal

Glycol Circulation Pumps on Forma Gas Storage Compression Station STOCCAGGI Gas Italia, S.P.A (STOGIT), Italy, 2013-Current



Problem:

High levels of Black Powder contamination was in the glycol system, with particulate too small for a Y-Strainer filter screen to remove. The Black Powder contaminant resulted from a moisture catalyst, corroding the pipeline walls resulting in fine abrasive particles of iron sulfides and oxides reducing the life of glycol and wearing on the circulation pumps and components.

Solution:

Alex Priori of Renox suggest installing a BPS Magnetic Y-Separator on six pumps as a test to remove the Black Powder to sub-micron levels.



Results:

A significant amount of Black Powder was removed from the glycol system.

Since installing the BPS Magnetic Separators in 2008 the pumps have operated without failure with full efficiency.

Recommendation:

Install BPS Separators before all pumps and valves to protect component and fluid life.