



G-C Formula 5100 Multi-Phase Corrosion Inhibitor

Printing Plant Avoids \$100,000+ in Equipment Replacement With G-C Formula 5100 Multi-Phase Corrosion Inhibitor

Problem

A large commercial printing company in the Midwest was experiencing persistent corrosion in their 20,000 gallon chill-water system. The system's expansion tanks continually rusted in the upper regions and the chill-water was fouled with iron oxide. The company tried both a traditional closed-loop nitrite-azole-based corrosion inhibitor and an open recirculating inhibitor together with a 5-micron filter to remove iron particulates all without success. Left unchecked, this corrosion problem would eventually damage the tanks beyond repair resulting in a replacement cost of \$10,000 per tank and a shutdown cost of up to \$100,000.

Solution

Following thorough evaluation of the problem, the local Garratt-Callahan field engineer customized a continuous-feed treatment program using **G-C Formula 5100**, a proprietary, multi-phase corrosion inhibitor.

Results

The interior surfaces of the expansion tanks quickly returned to their original black passive steel appearance and the total dissolved iron levels dropped well below specified ranges promising a full lifetime of service for the tanks.

Garratt-Callahan. Solutions that help reduce downtime and extend equipment life.