

Ethylene Glycol Analysis

Sample Number : KRR0118-11
Job Name : General Hospital
Customer Name : Joe's AC Service
Manufacturer : None
Unit Model : None
Serial Number : None
Equipment ID : Emergency Generator Loop
Machine Hours : None

Report Number : RR015686-001
Date Sampled : 5/10/2003
Sampled By : Joe Smith
Contact Person : Joe Smith
Date Received : 5/28/2003
Date Analyzed : 5/28/2003
Reported By : Mara Dooley

Units	Limits	Current Sample	Previous Samples			
Color		Pink				
Solids		None				
Concentration vol%	25 - 65	51				
Reserve Alkalinity ml of 0.1N HCl	> 5	7.09				
Phosphate ppm PO4	> 2000	5490				
Borate ppm BO3	> 500	870				
Nitrite ppm NO2	> 800	< 1				
Tolyltriazole ppm TTZ	> 300	212				
Mercaptobenzothiazole ppm MBT	> 300	68				
Iron ppm Fe	< 5	1				
Copper ppm Cu	< 5	< 1				
Zinc ppm Zn	< 5	< 1				
Glycolate ppm HOCH2COO	< 500	457				
Acetate ppm CH3COO	< 200	< 10				
Oxalate ppm O2CCOO	< 200	29				
Formate ppm HCOO	< 200	129				
Arsenic ppm As	< 5	< 5				
Calcium ppm Ca	< 25	< 1				
Chloride ppm Cl	< 25	13				
Magnesium ppm Mg	< 25	< 1				
Nitrate ppm NO3	< 25	< 1				
Silicon ppm Si	< 25	6				
Sulfate ppm SO4	< 25	< 1				
Glycol Type		Ethylene Glycol				

Comments:

None

RECOMMENDATIONS:

Overall condition is satisfactory. The copper corrosion inhibitor is low. Add an appropriate copper corrosion inhibitor package. Resample at next normal sampling interval.

This report is based on a single sample. Tracking multiple samples over time provides the best information about equipment and fluid condition.