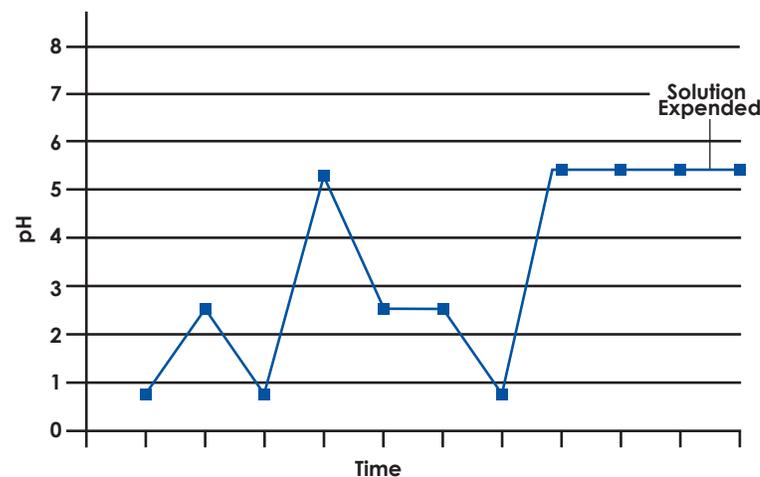


## TESTING THE EFFECTIVENESS OF RYDLYME MARINE

Testing the effectiveness of **RYDLYME Marine** during a cleaning can be performed via two different methods. These recommended methods include a simple calcium carbonate spot test of the circulating solution or by charting a trend in the pH of the cleaning solution. Perform these tests at regular intervals during the cleaning process. Also, monitor the liquid volume in the circulating container because as deposits are dissolved, total volume of the system will increase which may lead to pump cavitation. If cavitation occurs, add more solution to circulating container until adequate volume is reached. If sudden loss of volume occurs, check for leaks or proper isolation of the circulation.

### Calcium Carbonate Spot Test

The calcium carbonate spot test is performed by simply having a sample of the circulating solution come in contact with a form of calcium carbonate. The calcium carbonate utilized can be a sample of the deposit you are cleaning, a Tums® or Roloids® tablet, or even bare concrete. Observe the reaction of the **RYDLYME Marine** solution on the calcium carbonate. If foaming and bubbling is observed, the solution is still active. If there is little or no reaction, the solution is expended. This test should be performed near the end of the recommended circulating time. If near the end of the recommended cleaning time the solution has been expended, more **RYDLYME Marine** will be required to complete the job. However, if the solution is still active at the end of the recommended time, all the scale has been dissolved within the application and it is ready to be water flushed and returned to service.



### Testing the pH

The initial pH of the cleaning solution will measure between 1-3. In order to test the effectiveness of the circulating solution as a function of pH, we recommend that the readings be taken at regular intervals and charted as a trend. The reasons for this is that the deposits being dissolved may cause a premature jump in the pH and give an inaccurate reading if taken only once or infrequently. After circulating for

approximately 75% of the recommended time, test the pH. Continue to take readings every 10-15 minutes to develop a trend in your readings. Once the solution's pH reads 5.0-7.0 on three or more readings, the solution is expended. If the pH reads below 5.0 after the recommended circulating time, the application is clean and ready to be flushed and returned to service.

If you have further questions pertaining to the effectiveness of **RYDLYME Marine**, please feel free to contact our main office.