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TESTING THE EFFECTIVENESS OF ULTRASCALE-AWAY

Testing the effectiveness of UltraScale-Away 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.

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 UltraScale-Away 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 UltraScale-Away will be required to complete the job. However, if the solution is still active at the end of the recommended time, it is very likely that 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 reason 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 6.0-7.0 on three or more readings, the solution is expended. If the pH reads below 6.0 after recommended circulating time, the application is clean and ready to be flushed and returned to service.

If you have further questions pertaining to the pH of UltraScale-Away, please feel free to contact our office.