

## Jem Strip 427 Tank Maintenance

Jem Strip 427 contains two active chemicals below the mineral oil seal: 70% N-methylpyrrolidone (NMP) and 20% Ethanolamine (MEA). We recommend that you maintain a 3.5 to ratio of NMP to MEA.

If the stripper temperature is kept below 150 degrees F there will be little observable evaporation and any tank loss is due to drag out. Evaporation and drag out should be replaced the either Jem Strip 427 or Jem Strip 426 (no mineral oil seal).

If the strip tank is operated between 150 degrees and 190 degrees F there will be some evaporation of NMP. Replace evaporation and drag out with Additive 425 (>90% NMP).

If the tank is operated at 190 degrees F or higher there will be significant evaporation of the MEA. Replace evaporation and drag out with Additive 424 (50% NMP and 50% MEA).

The majority (99%) of the coatings you strip will settle to the bottom of the strip tank as sludge. A very small amount of the coatings will become suspended solids in the stripper and the amount of the suspended solids determines the life of the stripper.

To determine the chemical status of the stripper we send samples to our lab in Oklahoma City. They use a gas chromatograph to find the percentages of NMP and MEA and they perform another test to find the amount of excess water. When I receive the lab report I translate the lab numbers and send the customer a report giving the status of the stripper and recommendations for improving stripping performance and tank life.

Jem Chemical Company has additives that can be added to the stripper to maintain the optimum chemical balance. The additives are listed on the attached Price Sheet.

Customers who purchase two 55-gallon drums or more of Jem Strip 427 receive a complementary gas chromatograph analysis. For other customers there is a nominal \$110 charge for the service. It takes about two weeks for the lab to perform the gas chromatograph analysis and get the results back to me. You are welcome to find a local lab to do your analysis but we find that most labs charge between \$500 and \$1,500 for the service.