



JEM Strip 427 Tank Maintenance

JEM Strip 427 contains two main active chemicals below the mineral oil seal: 70% N-methyl pyrrolidone (NMP) and 20% Ethanolamine (MEA). For best stripping performance we recommend that you maintain a 3.5 to 1 ratio of NMP to MEA.

If the stripper temperature is kept below 150° F there will be little observable evaporation and any tank loss is due to drag out. Evaporation and drag out should be replaced with either JEM Strip 427 (with mineral oil seal) or JEM Strip 426 (no mineral oil seal) depending on whether you need mineral oil or not.

If your strip tank is operated between 150° and 190° F there will be some evaporation but most of your loss will drag out. Replace evaporation and drag out with Additive 426 (NMP 70% and MEA 20%).

If your strip tank is operated at 190° to 220° F or higher there will be significant evaporation of the MEA and some evaporation of NMP. 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 percent of the coatings will become suspended solids in the stripper and the amount of the suspended solids determines the life of the stripper. When the stripper is exhausted (more than 40% suspended solids) it is recommended that you save your mineral oil and use it as seal for your new stripper.

To get the longest life from your stripper, JEM Chemical recommends you decant the stripper and remove the sludge from the bottom of the strip tank. If you let the stripper sit for a few days unheated most of the suspended solids will settle to the bottom of the tank. For best recovery of the usable stripper you can remove the remaining suspended solids with a filter.

For our larger users we determine the chemical status of the stripper by sending samples to our lab. 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 we receive the lab report we translate the lab numbers and send the customer a report give the status of the stripper and recommendations for improving stripping performance and tank life.

JEM Chemical has additives that can be added to the stripper to maintain the optimum chemical balance. The additives are listed above and on the Price Sheet.

Customers who purchase two 55-gallon drums or more of JEM Strip 427 can 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. 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.