

TRAMFLOC, INC.

Water & Wastewater Treatment Chemicals for Industry & Mines

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EMULSION BREAKER TESTING PROCEDURE for WATER-in-Oil SEPARATION APPLICATIONS

1. Using 3 ml plastic syringes, charge 1 ml of neat Tramfloc® Emulsion Breaker product to 100 ml samples of the emulsion to be broken. Mark each conical cylinder with the Tramfloc® Emulsion Breaker product number. This procedure can be performed effectively in 100 ml conical graduates brought to ~ 140° F in a water bath, but this may not be necessary in every application. This procedure is specifically for the resolution of water-in-oil emulsion is frequently encountered in oil refineries, slop oil treatment plants and oil recycling facilities.
2. Please note that one ml of neat Tramfloc emulsion breaker equals 1000 ppm in a 100 ml sample of oily emulsion.
3. You will find that the heating effect will usually enhance the break and pH adjustment is efficacious.
4. Charge the desired dosage of Tramfloc emulsion breaker to the waste sample and mix the highly miscible Tramfloc emulsion breaker and oily waste to insure good mixing.
5. Repeat this procedure with various dosages of each Tramfloc emulsion breaker and select the product and its dosage which produce the combination of the clearest water, cleanest oil and densest rag layer. Typically, one would choose to test dosages in the 1000-10000 ppm range. Higher dosages may be necessary depending on your specific conditions. The Tramfloc emulsion breaker which you adjudge best, based on the above criteria, is the product which should be field tested in the actual application.

Please call us with any questions during the bench testing procedure. Please advise us of your results when you have completed your evaluation process.