

## When and how to collect a water sample for testing purposes

Two basic problems associated with water-cooled air conditioning and refrigeration systems are scale formation and corrosion. If not corrected, either of these conditions can ruin equipment and cause costly breakdowns. (Algae and slime growths are also detrimental, but a water analysis will not be of great value in detecting these problems.)

### Here are two instances when cooling water should be analyzed to uncover specific trouble sources:

- When you are not familiar with water in the area.
- When problems arise in a system that is under going water treatment. (Note: to analyze this condition, send a sample of the recirculating water and the make-up water.)

### Here's how to take a sample:

1. Obtain a clean plastic container from your wholesaler or from Nu-Calgon Wholesaler, Inc. We can provide

special 16-oz. Bottles complete with leakproof cap, identification tag, data sheet, and mailing carton.

2. Let water to be sampled flow through equipment lines for at least 5 minutes to wash out stagnant water.
3. Take sample from make-up waterline. (Note: if the system is already being treated and the results are unsatisfactory, send a sample of the recirculating water plus a sample of the make-up water.)
4. Fill plastic bottle completely and cap it tightly immediately after collecting.
5. Fill in pertinent information on the data sheet provided and on the tag attached to the bottle.
6. Enclose sample bottle and all data in carton; seal and mail to Nu-Calgon Wholesaler, Inc., 2008 Altom Court, St. Louis, MO 63146.
7. A typical data sheet form is printed on the back of this Tip Sheet. After testing your water sample in laboratories, we will forward complete analysis results along with a recommendation for water treatment. There is no charge for this service.



