IMPORTANT INSTRUCTIONS
BOILER WATER SAMPLE BOTTLES AND CONTAINERS

TWO (2) WATER SAMPLE BOTTLES WITH MAILING CONTAINERS ARE FURNISHED FOR YOUR CONVENIENCE WITH EACH NEW PARKER STEAM BOILER. THESE BOTTLES ARE FURNISHED FOR TAKING RAW WATER AND BOILER WATER SAMPLES AND MAILING TO THE SMITH LABORATORY FOR ANALYSIS. THIS INITIAL WATER ANALYSIS IS DONE AT NO COST TO THE CUSTOMER.

PLEASE READ THE MANUFACTURER'S WATER TREATING BULLETIN #1001-B AND 1001-C SO THAT YOU WILL BE FULLY INFORMED THAT EVERY STEAM BOILER REQUIRES A PROPER WATER TREATING PROGRAM FOR LONG LIFE SERVICE. THE BOILER IS NOT GUARANTEED FOR REPAIRS RESULTING FROM SCALE OR CORROSION CAUSED BY BAD WATER CONDITIONS.

IF YOUR WATER TREATING PROGRAM AND BOILER WATER ANALYSIS IS NOT SATISFACTORILY HANDLED BY A LOCAL, CAPABLE WATER TREATING REPRESENTATIVE IT IS REQUESTED THAT YOU SEND IN WATER SAMPLES OF THE BOILER WATER EVERY FOUR WEEKS.

PLEASE SEND IN THE FOLLOWING WATER SAMPLES IN THE CONTAINERS FURNISHED IN ACCORDANCE WITH PARAGRAPH II, BULLETIN 1002 IN THE MAINTENANCE CATALOG:

1. SAMPLE OF THE RAW WATER SUPPLY.
2. SAMPLE OF THE BOILER WATER.

THIS IS THE SHEET THAT IS INCLUDED WITH THE WATER SAMPLE BOTTLES

INSTRUCTIONS FOR WATER SAMPLES
PARKER STEAM BOILERS

Every Steam Boiler installation must be properly supervised with a proper Water Treating Program and Blowdown Procedure. The recommended method to initially determine the Water Treating Program is by an actual Analysis of the raw water supply, soft water, return tank water, and boiler water. Regular Water Analysis should be made at least every 30 days to assure water treatment is properly regulated. If there are indications of scale, corrosion, or any unfavorable condition, water analysis may need to be performed more often until condition is corrected. We recommend a full service Chemical Program which includes a chemical feed system, chemicals and a monthly on site analysis. If a month is missed from this schedule, forward a sample per the following instructions.

The purpose of these instructions is to inform the operator on the correct method of taking Water Samples so that the information on the Analysis may be proper and accurate.

I. GENERAL INFORMATION:

A. Water Samples should be taken in a 4 to 6 ounce clean glass or plastic screw type medicine bottle.
Always rinse the bottle and cap thoroughly before taking sample and fill to the top with little or no air in bottle.
Always wear safety glasses.

B. Each Sample Bottle should be properly labeled with the following information:

1. Date:_____
2. Representative: _____ (if other than Parker Boiler)
3. Customer Name: _____
4. Address: _____
5. Boiler Operator's Name: _____
6. Indicate Source of Water - Raw Water: _____
   - Soft Water:_____
   - Boiler Water: _____
   (I.D. which boiler if there is more than one of the same size boiler i.e. mark bottle B1, B2)
   - Return Tank Water: _____
7. Make and H.P. of Boiler:_____
8. Boiler manufacturer's SN or National Board #:_____
9. Approximate % of Return Condensate: _____
10. Type of Water Treatment now used: _____
11. Specifically state only if steam may come in contact with water or products used for human and animal consumption:_____

C. Water Samples should be safely packed to prevent breakage.

D. Deliver or Mail Parcel Post direct to Laboratory or Parker Boiler in container supplied.

II. METHOD OF TAKING WATER SAMPLES:

A. BOILER WATER: Take Samples from the try cock, sample valve or water glass drain on the Boiler Water Column. **WARNING!** Always wear safety glasses when taking water samples.

USE CAUTION AND SAFETY AS FOLLOWS:

1. Before taking the Sample, make a partial blowdown or flush at the point where taking sample so that it will be more representative of the Boiler Water.

2. Take the sample just before making the regular blowdown so that the concentrated solids will be at maximum for determining necessity of any revision in the blowdown.

3. Hold bottle or container with long handle tongs and place securely over the valve outlet. Open valve slightly being careful not to splash hot water outside of bottle. If glass bottle is used, be sure bottle has been warmed and proper precautions taken for safety. Keep hands and body at a safe distance and open valve just slightly so water will not splash.

B. SOFTENED WATER: Should be taken initially and periodically if the Boiler Water does not test continuously soft. Take at the soft water service outlet.

C. RAW WATER: Should be taken initially on each new installation and periodically if some problem or change develops in the water source.

D. RETURN TANK WATER: Should be taken only if the Return Tank water is assumed to contain contaminates or relating to some problem such as steam line corrosion. The sample can be taken from the Return Tank drain line. Before taking the sample, let the line flush so that the sample will be representative of the tank water.

NOTE: Water in the return tank should be 2/3 of the way up the internal well so the pump cannot empty the return tank and pull in oxygen.

III. ANALYSIS REPORT:

When the Sample of water has been Analyzed, a report is supplied by the Laboratory to Parker Boiler Co. A detailed letter of recommendation is then written to the customer, explaining the findings and if any revisions should be made in the use of the Compound and the Blowdown procedures. Any questions regarding the reports or recommendations should be directed to Parker Boiler.

Parker Boiler provides initial Water Analyses and Water Treating Recommendations to all customers without charge. Two water Sample Containers for convenient mailing are furnished with each boiler and additional Containers will be gladly mailed on request. A Charge of $10.00 for each Analysis is applicable only when using Boiler Compound not furnished by Parker Boiler. For important information on Boiler Water Treatment, refer to Parker Bulletin 1001-B & 1001-C. See Important Guide on proper Boiler Operation and the Daily Operating Blowdown Instruction Sheet.