

Sampling Procedures

Steam Boilers:

If the results obtained from an analysis are to be of value, it is necessary to secure a sample from a point that is truly representative of the condition of the system's water. It is desirable to obtain the sample from a continuous blowdown; however, a majority of the boilers that we come across do not have a continuous blowdown. Under these circumstances it becomes more important that the following points be considered when selecting a sampling point.

1. Sampling point should be selected to secure a representative sample rather than a dead spot.
2. Once selected, always take the sample from the same spot.
3. In case of a sample from a valve or a tap, the water should be run for a few seconds before collecting.
4. It is important to secure the sample with as little flashing as possible using a cooling coil for this purpose.
5. The sample should be collected in a clean container which has been rinsed several times with the water to be sampled.
6. When obtaining samples from the gauge column, ensure that the boiler does not shut down, as in some cases the boiler controls have to be reset by the operator to continue operation.
7. When in doubt ask the operating personnel to provide you with a sample.
8. Take all necessary safety precautions when working with steam boiler equipment, especially high pressure steam which can cause severe burns in a matter of seconds.

Closed Recirculating Systems & Water Towers:

1. Sampling point should be selected to secure a representative sample rather than a dead spot.
2. In case of a sample from a valve or a tap, the water should be run for a few seconds before collecting.
3. The sample should be collected in a clean container which has been rinsed several times with the water to be sampled.
4. When in doubt ask the operating personnel to provide you with a sample.

Consult your ENERCON Technical Field Representative.

3606 - 6th Avenue North Lethbridge, AB T1H 5C4
Phone (403) 328-9730 - 1-800-248-1195 - Fax (403) 327-4375
Website: www.enercon.ca - E-Mail: ewt@enerconwt.com

