ORGANIC versus INORGANIC

ADVANTAGES OF TANDEX ORGANIC WATER TREATMENT OVER CONVENTIONAL INORGANIC TREATMENT

1. Tandex B.W.S used as an oxygen scavenger does not increase the total dissolved solids (T.D.S.) as does Sodium Sulphite.

2. The resulting advantage from (1) is an increase in the number of cycles of concentration in the boiler. This effectively means that more water can be evaporated before the boiler requires blowdown.

3. Over a period of operation (1) and (2) will mean a significant reduction in the percentage blowdown of the boiler. Immediate advantages flowing from this are :-
   - Reduced fuel costs to maintain the boiler load.
   - Reduced chemical costs by not blowing out chemicals in higher blowdown procedures.
   - Reduced water consumption, critical when quality of supply is poor or limited in availability.
   - Improved production output, higher blowdown takes the pressure off the boiler and reduces the steam output.
   - Purer steam output due to more even boiler load. Higher blowdown levels can lead to erratic boiler operation and priming or surging.

4. Tandex B.W.S is not just an oxygen scavenger like Sodium Sulphite, but a multifunctional water treatment providing a corrosion preventative film to the boiler metal.

5. The Tandex B.W.S is a much more flexible oxygen scavenger as residuals can remain in the boiler water for days after dosing has ceased. With Sulphite, the levels drop rapidly as soon as dosing is stopped.

6. The organic treatment is much easier to control than the inorganic type with fewer and simpler test procedures, ideal for non-technical labour forces.

7. An extra feature of Tandex B.W.S over Sulphite is its scale inhibiting properties. Tandex B.W.S coats the scale crystals to form a colloidal dispersion to prevent adherence to boiler metal.

8. Tandex B.W.S. also acts to swell and cause shedding of existing scale deposits from the boiler metal.

18 Gatwick Road, (PO Box 166), Bayswater, Vic 3153 Australia
Phone: 61-3-9729-6722 Fax: 61-3-9720-5896
E-mail: mail@tandex.com.au

www.tandex.com.au