

# Report for Experiment

Experiment report for active water generator A

The test is made on Oct 16th of 2006, we made the test with a D15mm active water generator .Fix it At the front of the steam generator for the press in product line of knitwear. Please check the photo 1 for the steam generator.



photo 1: steam generator for ironing



photo 2: field installation for active water generator

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Fix the "active water generator" crosswisely on the flow pipe, as photo 2. in the way out, it jointed with steam generator by the hose. There is three hose on steam generator, which could supply the steam for three electric irons. The steam generator is heated by power. Please check the photo 3 and photo 4. one unit is including 3 heating pipe of 1kw, another unit including 3 heating pipe of 2kw. The max heating power is 9KW.

The steam drum of the steam generator is D270x440mm(about 25L). as all the product of knitwear required ironing before delivevr. the steam generator work continuously over 18 hours per day. During this test, we could check the internal of the steam drum from the mounting hole of the electric heater, please check the photo 5. the scale is about 5mm thick inside of the steam drum, it is hard. The factory have clear the scale 2 month ago, before the cleaning, the stem drum has worked for over 6 months which caused the scale is all over the heater. When we do this test, We did not clean up all the scale inside the hearter which has been there for over 6 months. we just want to check the effect of descaling.



photo 3: the positon of the heating pipe.

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photo 4: electric heating pipe



photo 5: the internal status of the steam drum before  
“active water generator” fixed

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Experiment report for active water generator B

On Nov 8th of 2006, the knitwear factory overhaul the heating pipe of the steam generator. It means about 22 days after they use the "active water generator" at this time. After remove the heating pipe, we could check the internal status of steam drum: the scale in the sidewall become more thin obviously, there is old scale at the bottom of the steam drum which broke off from the sidewall, please check the photo 1.



photo 1: The bottom of the steam drum

After the 22 days of the running of "active water generator", the scale on the heating pipe become easy to be peeling off. Please check photo 2, which is the hearing pipe after cleaning. For the photo 3, it is the comparison of two heating pipe. The upper one is before clearing the scale, there is some new scale on it.

Conclusion: Even the device just run 22 days, the effect of descaling and anti-scaling is much obviously

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photo 2: the scale on the heating pipe become easy to be peeling off

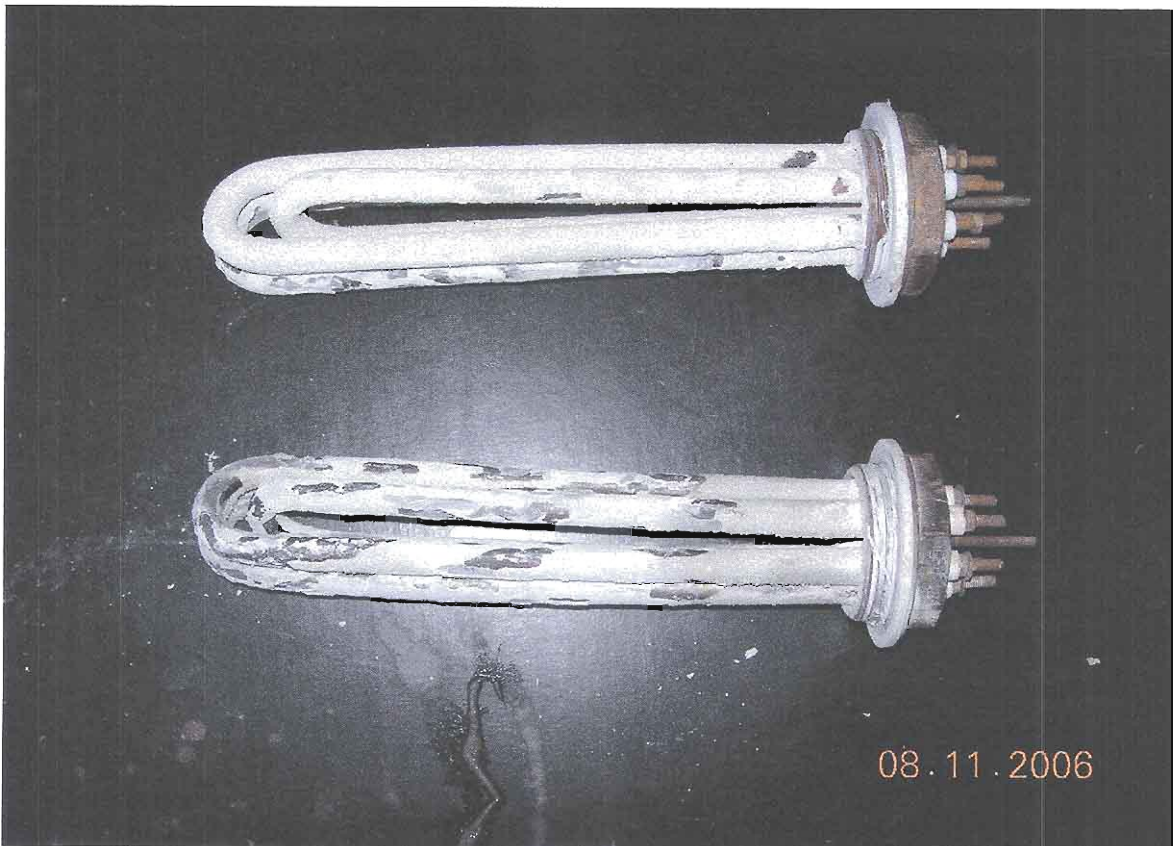


photo 3: the comparison of two heating pipe