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IKA Report No. 15-0759-1

Salt Spray Test

Ordered by Gilad Kol
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Work N°. 15-0759

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1. **Introduction**

We received for salt spray test a heat exchanger designated by the customer as NanoGen2.

We were requested to perform 5000 hours of salt spray test in accordance with
ASTM B117-11 standard on the heat exchanger's fins.

2. **Test Results**

2.1 **Salt Spray Test**

We performed a 5000 hours of salt spray test on the parts in accordance with ASTM B 117-11,
at $35\pm 2^{\circ}\text{C}$ and pH levels of $6.5\div 7.2$.

Figure No. 1A shows a general view of the heat exchanger after 5000 hours.

Figure No. 1B shows a close view at the collar of the fin where it is in contact with the
copper tube.

No sign of corrosion was seen at the areas of contact between the fins and the tubes.

3. **Conclusions**

- 3.1 No sign of corrosion was seen at the areas of contact between the fins and the tubes in the heat
exchanger after 5000 hours of salt spray test (the NanoGen2 coating is certified for 5000 hours
of salt spray test).

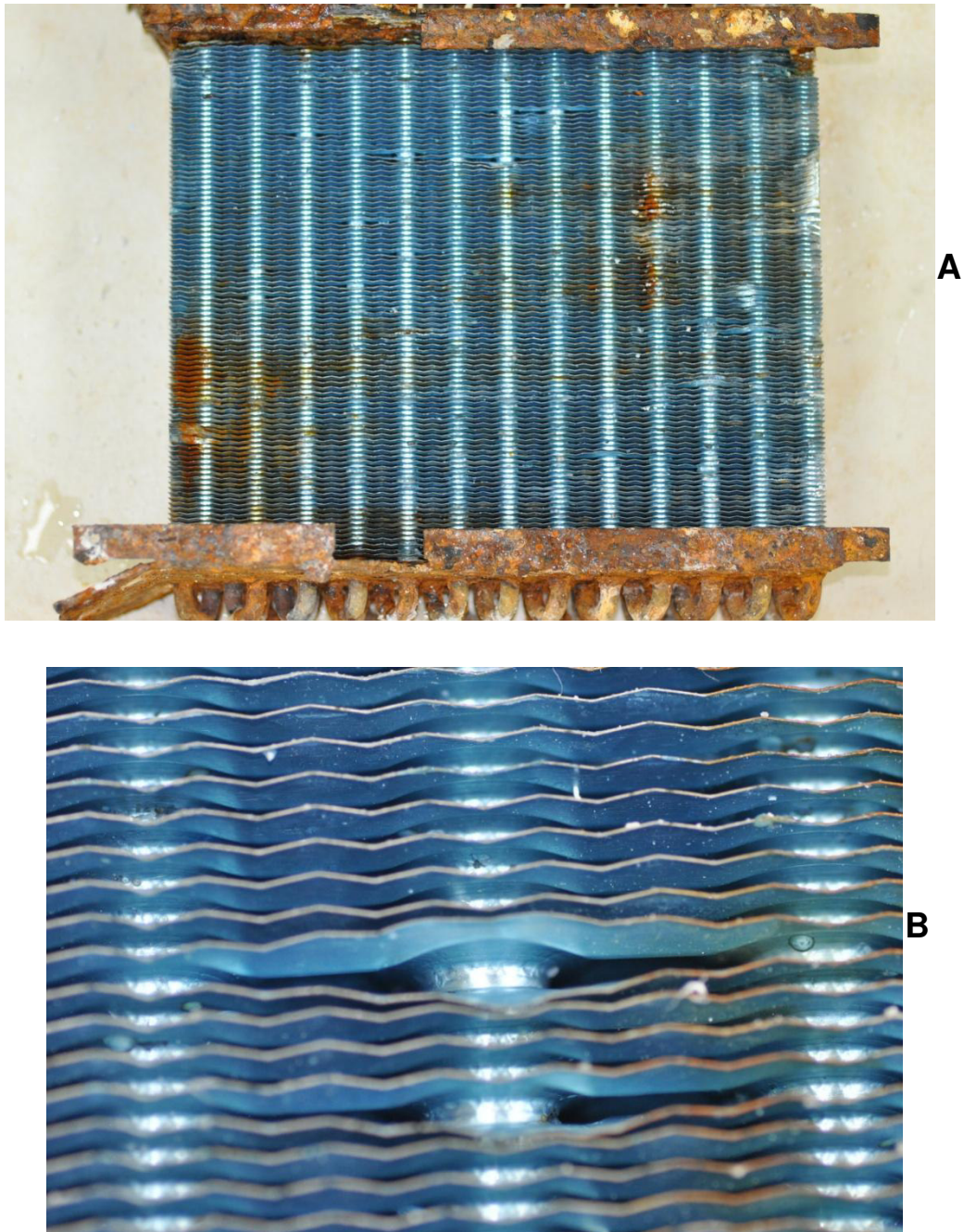


Figure 1

A- General view of the heat exchanger after 5000 hours of salt spray test

B- A close view at a fin collar where the fin is in contact with the copper tube