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SERVICE BULLETIN

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| File with Form: 160.46-OM3.1 | | |

SUBJECT: LIQUID COOLED STARTER CONDENSER WATER TEMPERATURE

The LCSSS uses condenser water to cool the SCR bricks, rather than chilled water, because we cannot have moisture condensing on the electrical components. As long as the condenser temperature is close to the outdoor wetbulb temperature, moisture is not a problem. However, recently we discovered some applications where the condenser water is taken from some source other than a typical cooling tower.

We found chillers on ships, where seawater was being pumped through a heat exchanger. This could result in 45 degree coolent, with a 95 degree wetbulb. In this case it was necessary to add a control device in the supply to the starter heat exchanger, to modulate the temperature to no lower than 85 degrees.

Another application involved an ice storage system which utilized central-plant chilled water as condenser water for two brine chillers. With 60 degree coolent and 95 degree outdoor ambient, the starter cabinet was dripping wet.

Any chiller with LCSSS, which does not utilize a traditional cooling tower for condenser water, could be affected in this manner. If you know of any jobs which fit this description, please contact Dave Saylor at Factory Service to discuss your situation. We can supply drawings and part numbers for hardware to modulate the coolent water temperature if necessary.

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