880 - Pt100 fault water before cooler - NM72,NM82,V82 Mk1-5

Check the AN1:F42 (F11 in Mk2-)

Does this solve the problem?

1] Yes
2] No
3] I don't know

- Explanation

Check for an open line or a short to ground on the varistor (F11 for MK 1&2, F42 for MK 3+) in the AN1 cabinet. If there is continuity to ground, then the varistor is defective and needs to be replaced.

Varistor box X8 Part: 51706201

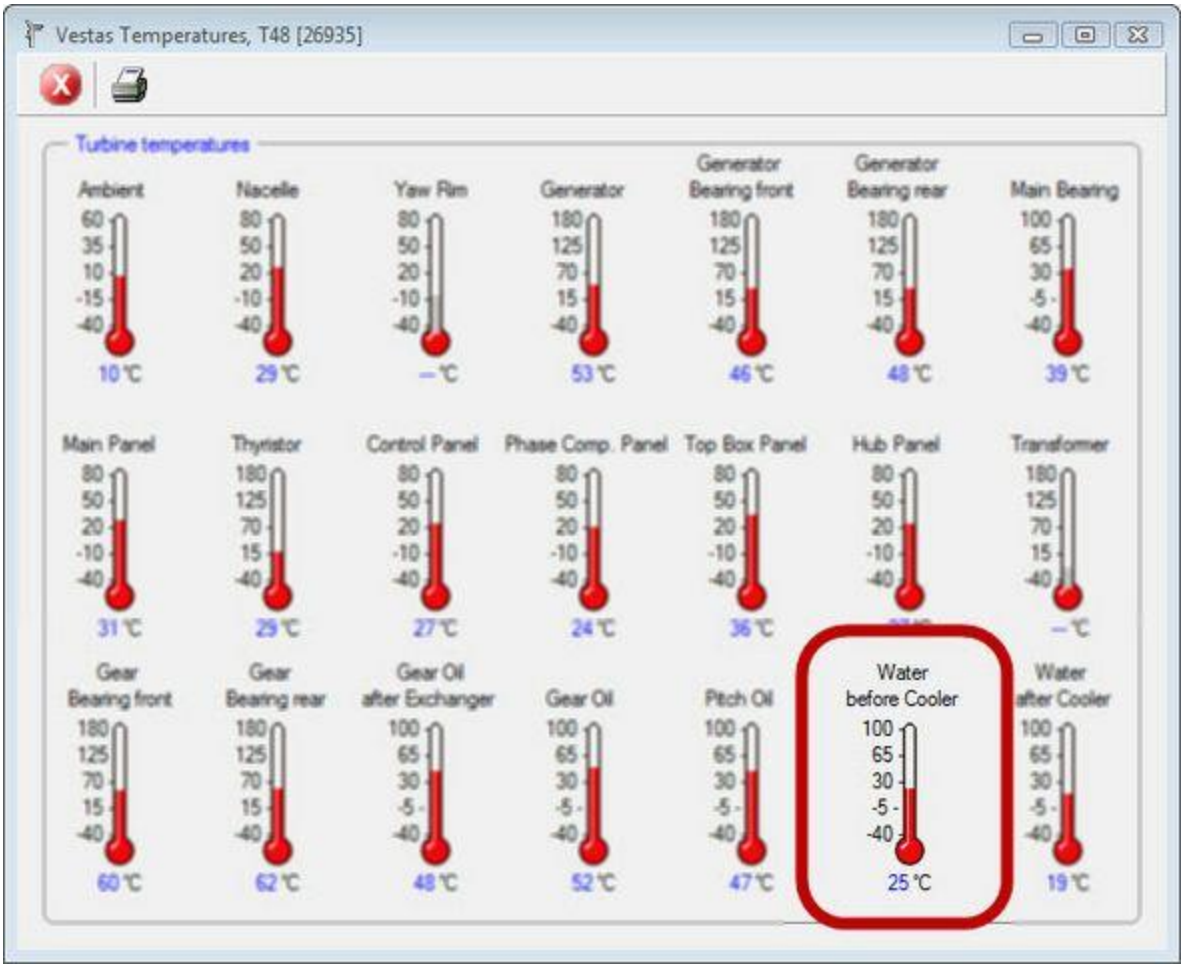
Replace the Pt100

Does this solve the problem?

1] Yes
2] No
3] I don't know

- Explanation

Check the water temperature before cooler.



If the temp is -40°C, you should troubleshoot a line to line short. Disconnect the Pt100 and test the circuit for continuity. If the circuit passes the test, replace the Pt100.

If the temp is at the upper limit (200°C to 245°C), you should troubleshoot an open in the circuit. Perform a pull test on the wires to ensure any opens are not due to loose connections. Disconnect the Pt100 leads in the AN14 and test for continuity through them. If they are open, then the sensor is defective and needs to be replaced.

Pt100 resistance/temp chart Doc: 0039-6203

PT100 180-4-7M Ø6x60mm Part: 60009281

Compare measurements to actual readings

Does this solve the problem?

1] Yes
2] No
3] I don't know

- Explanation

Measure the resistance across the Pt100 and compare your readings to the temp given by the turbine controller. If the temperatures don’t match, then the Nacelle TOI is probably malfunctioning and should be replaced.

Pt100 resistance/temp chart Doc: 0039-6203

TOI-II interface Part: 51701601