

871 - Pt100 fault main bearing - NM72,NM82,V82 Mk1-5



Check the circuit varistor for damage

Does this solve the problem?

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

● [Explanation](#)

Check for an open line or short to ground on the varistor (F27 for MK 1&2, F31 for MK 3,4,5) in the AN1 cabinet. If there is continuity to ground, then the varistor is defective and needs to be replaced.

Varistor Part: [51706201](#)

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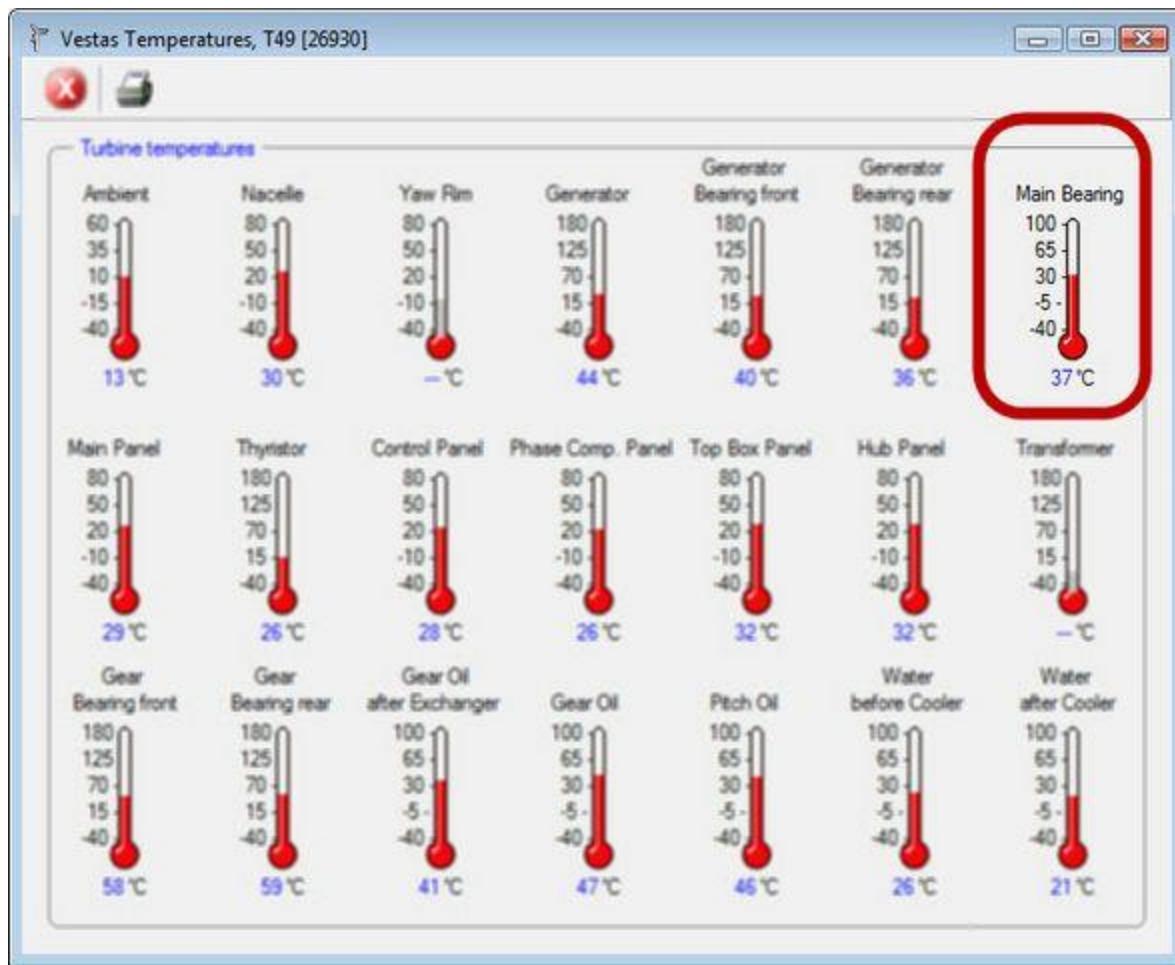
Replace the PT100 in the main bearing

Does this solve the problem?

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

● [Explanation](#)

Measure the resistance across the Pt100 sensor and compare the temperature given by the TAC controller to the actual temperature derived from measuring the resistance across the sensor.



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 (200-245°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 AN11 (AN1 for Mk1&2) 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](#)

Cable W586 NM30t Part #: [60093764](#)

Pt100 180-4-7M Ø6x60mm [60009281](#)

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Check the nacelle TOI

Does this solve the problem?

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

- [Explanation](#)

Measure the resistance across the Pt100 sensor and compare the temperature given by the TAC controller to the actual temperature derived from measuring the resistance across the sensor.

If the sensor is giving an accurate reading that does not match what the TAC displays, then the Nacelle TOI may be malfunctioning.

Pt100 resistance/temp chart Doc: [0039-6203](#)

TOI-II interface Part: [51701601](#)