

Replace the vibration sensor

Does this solve the problem?

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

- **Explanation**
IN THE NACELLE:

Check that the vibration is measured properly through TAC84 module.

If found to be defective, replace the vibration sensor.

Check the calibration number on the vibration sensor.

Enter the number in TAC 84 module.

Make sure that the calibration number is correct.

Simulate vibration by yawing or tap a screwdriver on the sensor and check that the vibration is measured by the module.

If the value on the TAC 84 module does not change, it is likely that the vibration sensor is defective.

Test the TAC84 as per commissioning manual - 5.17 Testing Safety Functions **DMS.: [0000-9925](#)**

Part Number for Vibration sensor:



Blade Vibration sensor (B17):

51712401 VS05E ACCELEROMETER 6.5M



Replace the defective TAC84 module

Does this solve the problem?

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

- **Explanation**
IN THE +AN1 CABINET:

Vibration sensor and speed sensor signals are connected to the TAC84.

Check the TAC84 module parameters as per instruction.

Settings for TAC 84 Edgewise blade vibrations DMS: [17000068](#)

Also refer to TAC84 User manual **DMS: 5002041**

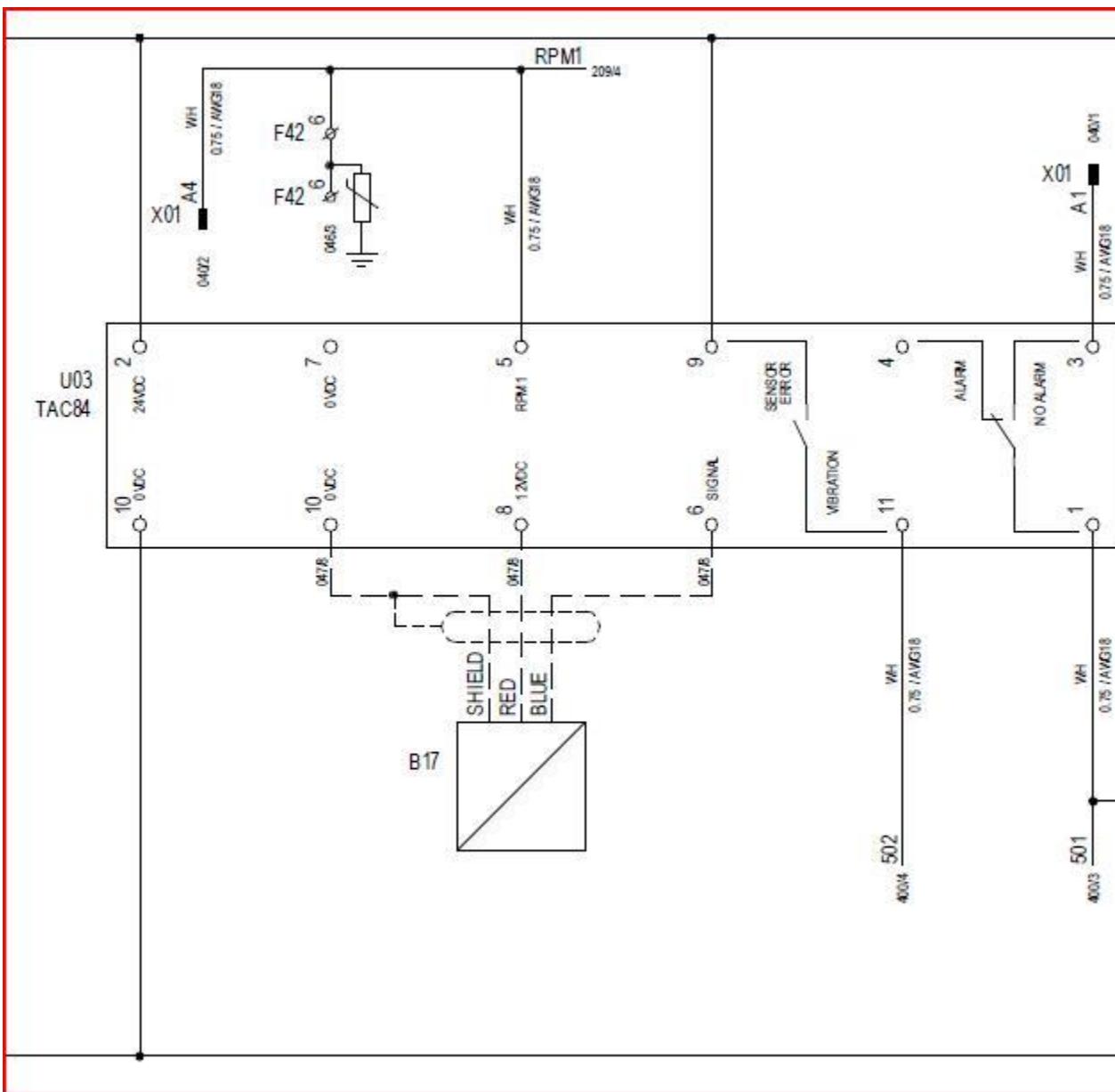
Perform the test as per commissioning manual :

5.17 Testing Safety Functions **DMS: 0000-9925**



Check the TAC84 (U03) module for any loose or damaged connections.

Vibration / Overspeed TAC 84 connections:



Part Number for the TAC84 module 2 Filter (U03)

51701001 -TAC 84C VIB GUARD 2 FILTERS

Replace the defective speed sensor

Does this solve the problem?

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

- **Explanation**
IN THE GENERATOR:

Check the generator speed sensor for any physical damage or dirt.

Check the speed measurement value through the TAC84 Module.

Using a screwdriver or other metal object, pass it over the speed sensor.

The speed sensor should emit a light when the driver passes over it.

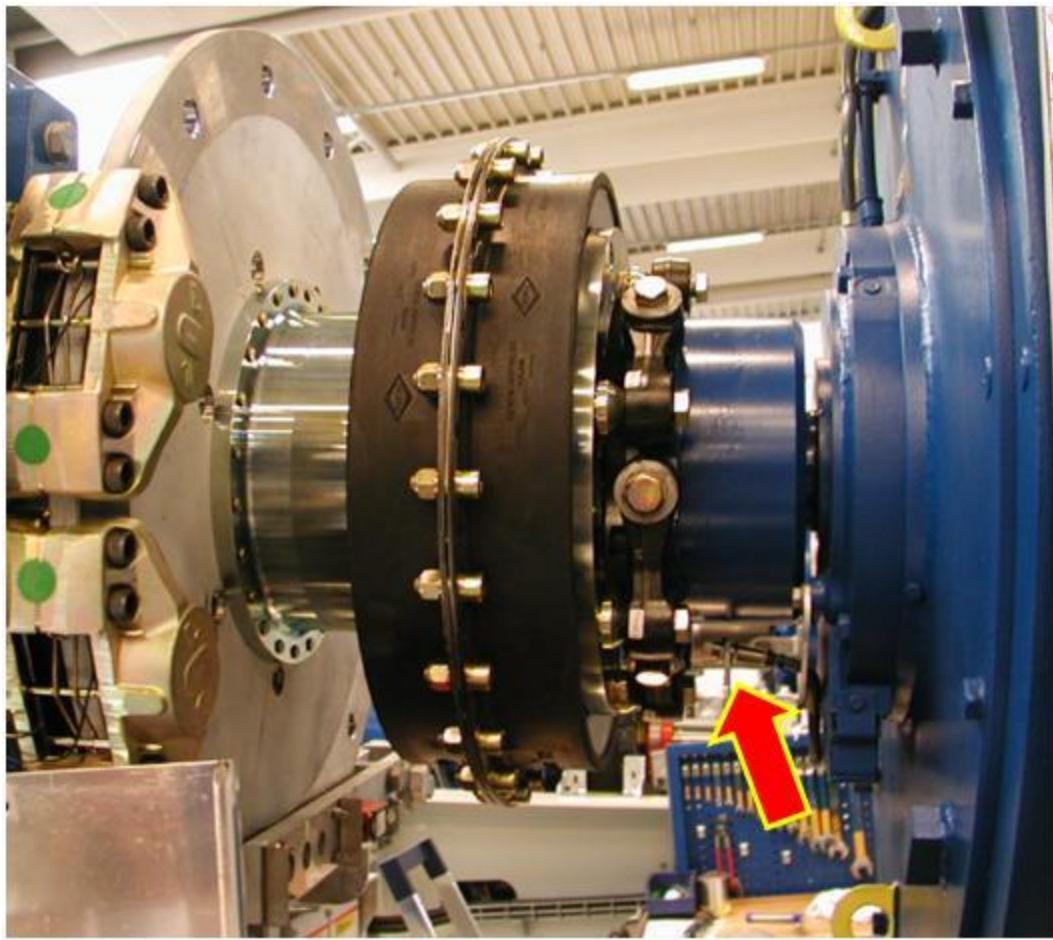
If it does not emit a light, check the voltage supply to the sensor.

If the voltage supply is present, the sensor is defective.

If found to be defective, replace the sensor.

Sensor part number:

60009270 - PROXI SWITCH I1808PPOS1531 Ø18



Adjust the distance between the Inductive sensor and the scanning points as per instalation and service data for the specific turbine.