

Information Bulletin #2022-2

Problem: Water infiltration into the wind generator.

Solution: Visual inspection to identify potential problems.

Equipment: All wind generators.

1. The cause(s).

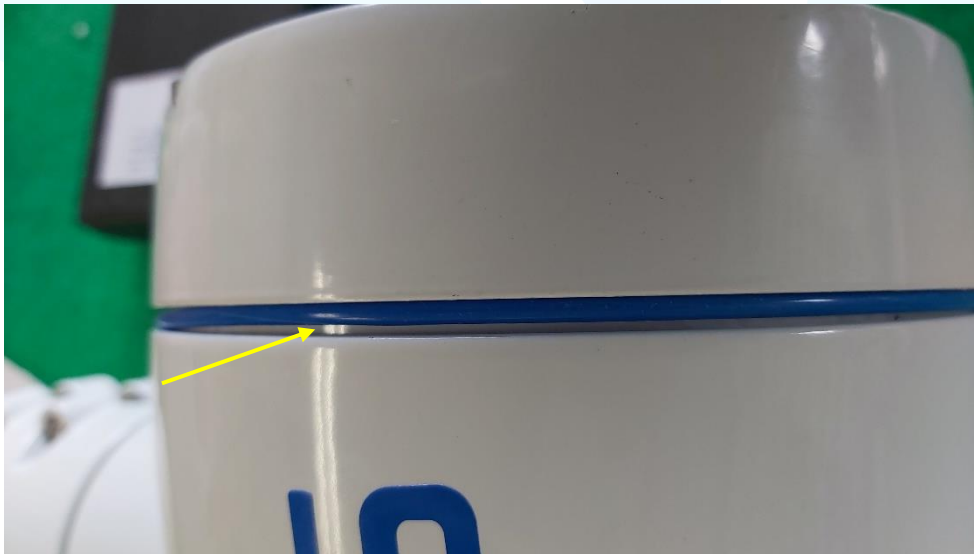


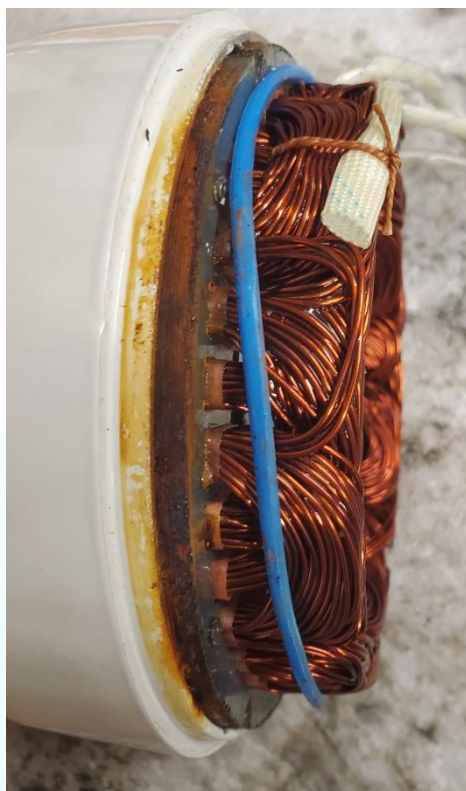
Photo 1 – Front face not completely closed - example

- Screws from the Front Face were not completely screwed.
- O-ring is not in place.
- No O-ring.
- The stator was not inserted correctly.

2. Consequences.

- Corroded yaw bearings: The wind generator does not rotate according to the wind direction.
- Corroded rotor and stator.
- The energy production was also affected.





3. Origin of the problem

- Silentwind production.
- Customer.

4. Check points

- Is there any visible damage to the O-ring?
- Is the O-ring properly fitted?
- Were any gaps noticed between the front face and the body of the wind generator?
- Are the three front-face screws securely tightened?

5. Silentwind communication

All of our generators are assembled in Silentwind facilities and are subject to strict Quality Control procedures. Because most procedures are performed by human intervention, there is always a chance of error. To minimize the error probability, Silentwind implemented redundancy during the QC tests.

Missing O-Rings or bad stator insertions during the Silentwind production process were never observed, although they were described at point 1. .

We recommend all our distributors and customers after technical intervention to double-check the causes identified at point 1. by simply making minor inspections at point 4.