

Information Bulletin #2022-2

Problem: Water infiltration into the wind generator.

Solution: Visual inspection to identify the potential problem.

Equipment: All wind generators.

1. The cause(s).

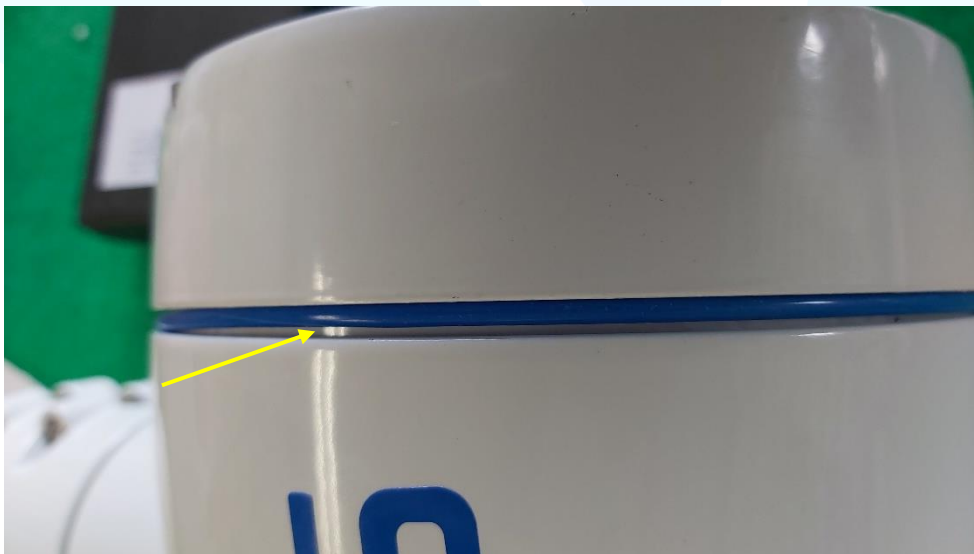


Photo 1 – Front face not completely closed - example

- The screws from the Front Face not completely screwed.
- O-Ring is not in place.
- No O-ring.
- Stator is not correctly inserted.

2. Consequences.

- Corroded yaw bearings - The wind generator will not rotate according to the wind direction.
- Corroded rotor and stator.
- Energy production is affected.



Photo 2 – Water infiltration – Customer photo



Photo 3 – Water infiltration – Customer photo

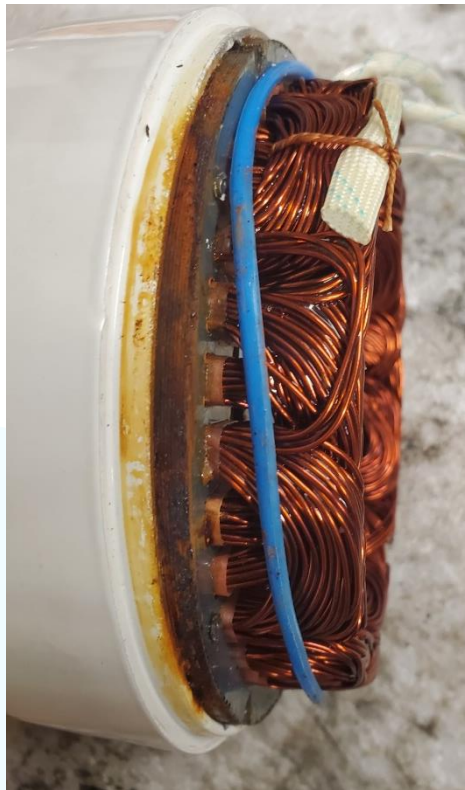


Photo 4 – Water infiltration – Customer photo

3. Origin of the problem

- Silentwind production.
- Customer.

4. Check points

- Is there any visible damages on the O-Ring?
- Is the O-Ring fitted correctly?
- Observed any gaps between the front face and the body of the wind generator?
- Are the 3 Front Face screws firmly screwed?

5. Silentwind communication

All our generators are assembled in Silentwind facilities and are subject to strict Quality Control procedures. Since most procedures are done by human intervention, there is always a chance of error. To minimise 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 in point 1. .

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