

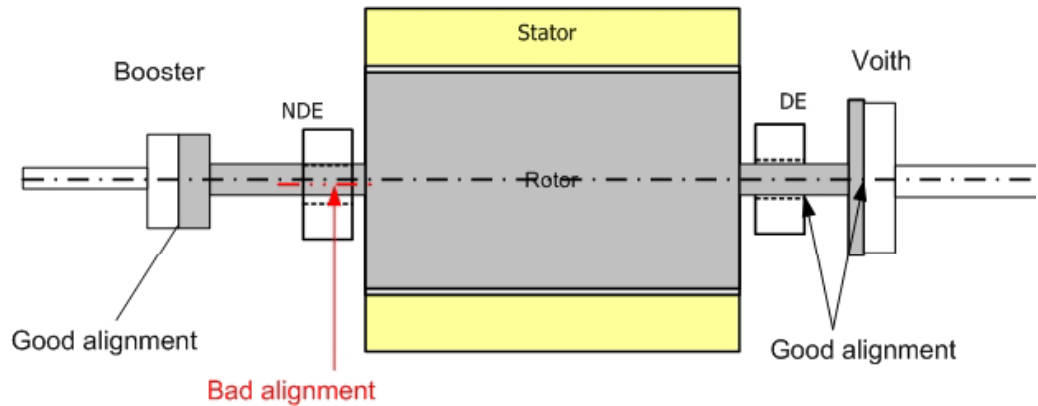
Measurement performed in 2009 showed:

- Good alignment Rotor-Booster
- Good alignment Rotor-Voith
- Correct clearance between shaft and bearing (calculated On the base of the measured shaft and bearing diameters)

Possible Scenario: bad alignment NDE bearing-rotor

- Dry friction between shaft and NDE bearing babbitt especially during the start of the motor
- After a certain period, the babbitt is so damaged that the shaft-NDE bearing clearance has increased .
- This allows the rotor to go obliquely to the right
- On each start the rotor is pulled toward the stator (right side) by the dry friction combined with a newly appeared unbalanced magnetic pull
- The babbitt is more and more eroded and after a certain time, the rotor can reach the stator and rub it.

Initial situation (2009)



Situation when the rotor rubbed the stator

