DR.PUMP
& ENGINEERING
CO., LTD

When the pump fails!

ROTATING MECHANICAL SEAL FAILURE SYMPTOMS

Parts testing:

Clamping screws

4a43

- Symptom
  - Flattened set screws / compression rings
- Causes
  - Rotation of seal on shaft
  - Overpressure
  - Use of stainless steel screws on hardened shafts
  - Pressure surges in system
- Types of failure
  - Incorrect installation
  - Maximum pressure limit surpassed
- Solutions
  - Use of hardened set screws
  - Testing of pump shaft material (hardness)
  - Check pressure curve