

A Mechanical Seal Improvement Plan



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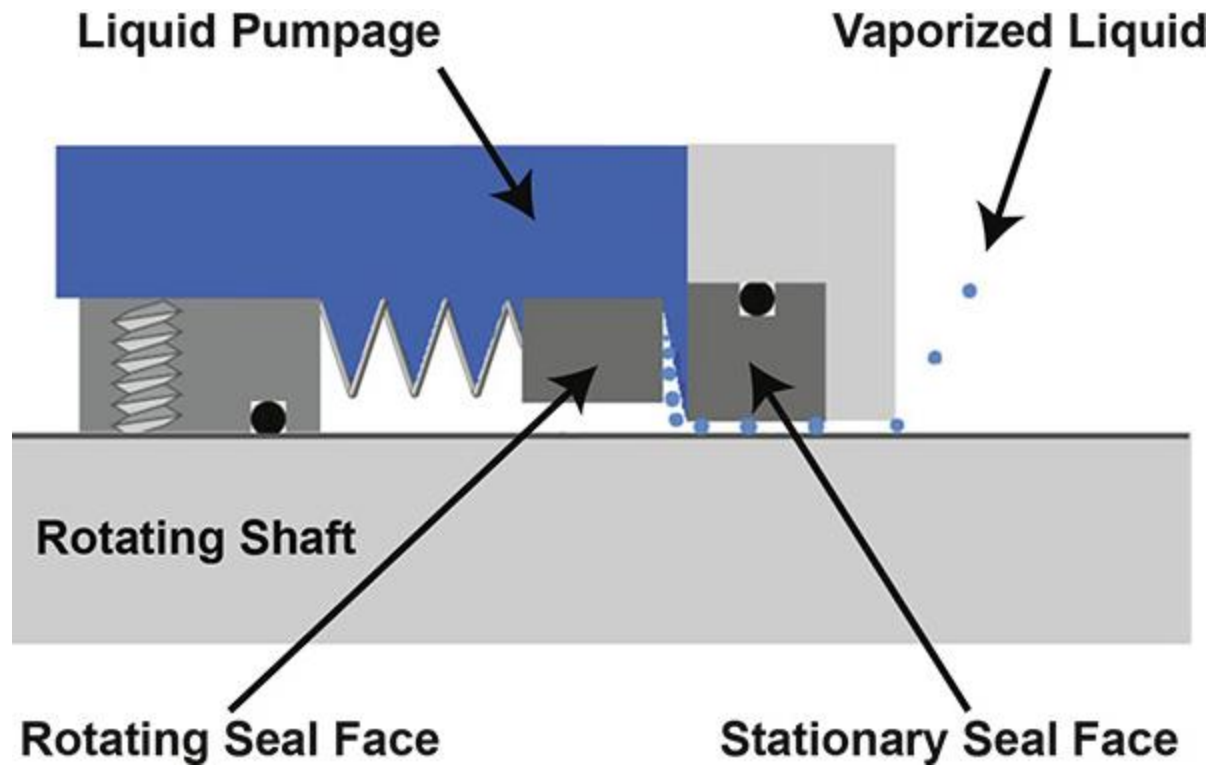
- ▶ A mechanical seal...why is it important?
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What is a M.Seal?!

- ▶ Mechanical Seals are used in Rotating Equipment to prevent liquids & gases escaping into the environment.



What is a M.Seal?



Why is it important?

Seals work as fuses in systems

Can be used for Reliability Improvement of systems

Can be used to make leaner reliability

Let's frame it

• Cavitation

• Shaft deflection

• Water hammer

• Contamination

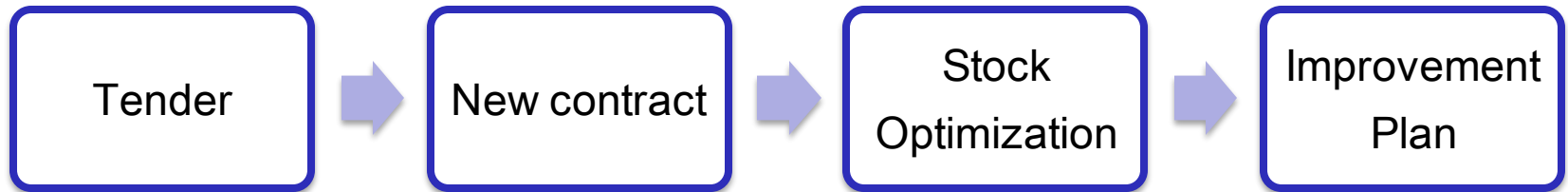
• Overheating

• No flow

Challenge

- Fixed fee contract for +15 years
- Rather stable seal MTBF
- Few / No improvement in recent years
- High demanding MOC procedure
- High stock value & quantity

Solution



Tips!



More Tips!?



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Keyvan Ehsanifard – *Sr. Reliability Engineer*

Wrap-up

Seals are fuses in your system

Use seals to improve your system reliability

Mind your selection criteria

Use seal improvement plan to lean your reliability

Thank You!



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Keyvan Ehsanifard – *Sr. Reliability Engineer*