

Upgrade the capacity of your BCP thrust bearing

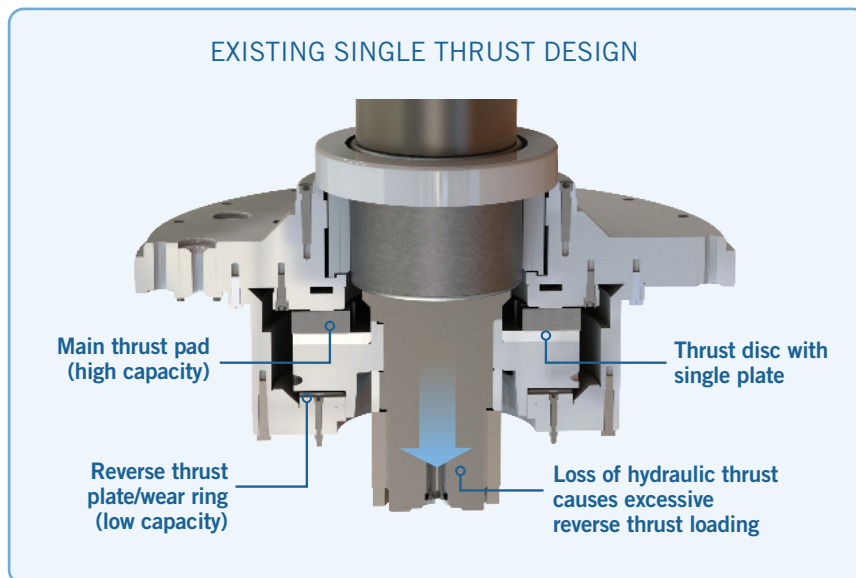
We understand that your plant is likely operating with quicker start-ups and shutdowns, and more frequent load changes, than it was originally designed for.

These operating modes can cause pre-mature bearing wear or, in some cases, catastrophic failure. We have designed a solution for this problem.

DEFINING THE PROBLEM

At Hayward Tyler, we have observed an increasing trend in cycling operation of the BCP to support flexible plant operation. In this scenario, the suction pressure to the pump can drop below the water vapor pressure, causing steam flashing in the pump.

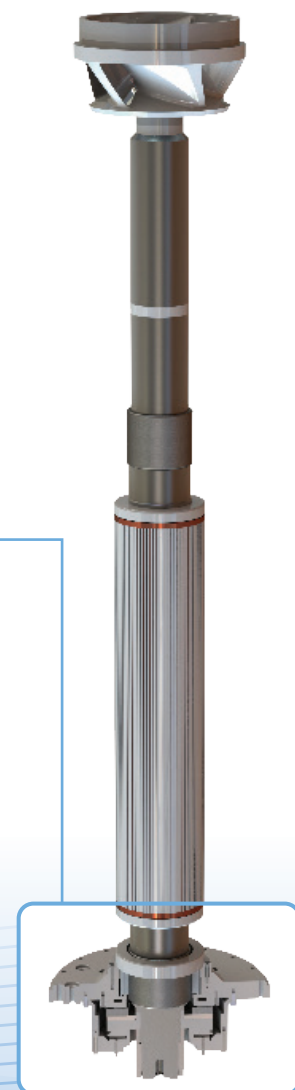
ROTATING ASSEMBLY
(EXISTING SINGLE THRUST DESIGN)



THE RESULT

Steam flashing in the pump results in a loss of hydraulic thrust, causing:

1. Substantial reverse thrust damage
2. Unstable radial loading
3. A lack of lubrication at the close clearance ring fits
4. A lack of NPSHa causing pump cavitation



THE SOLUTION: DOUBLE THRUST BEARING UPGRADE

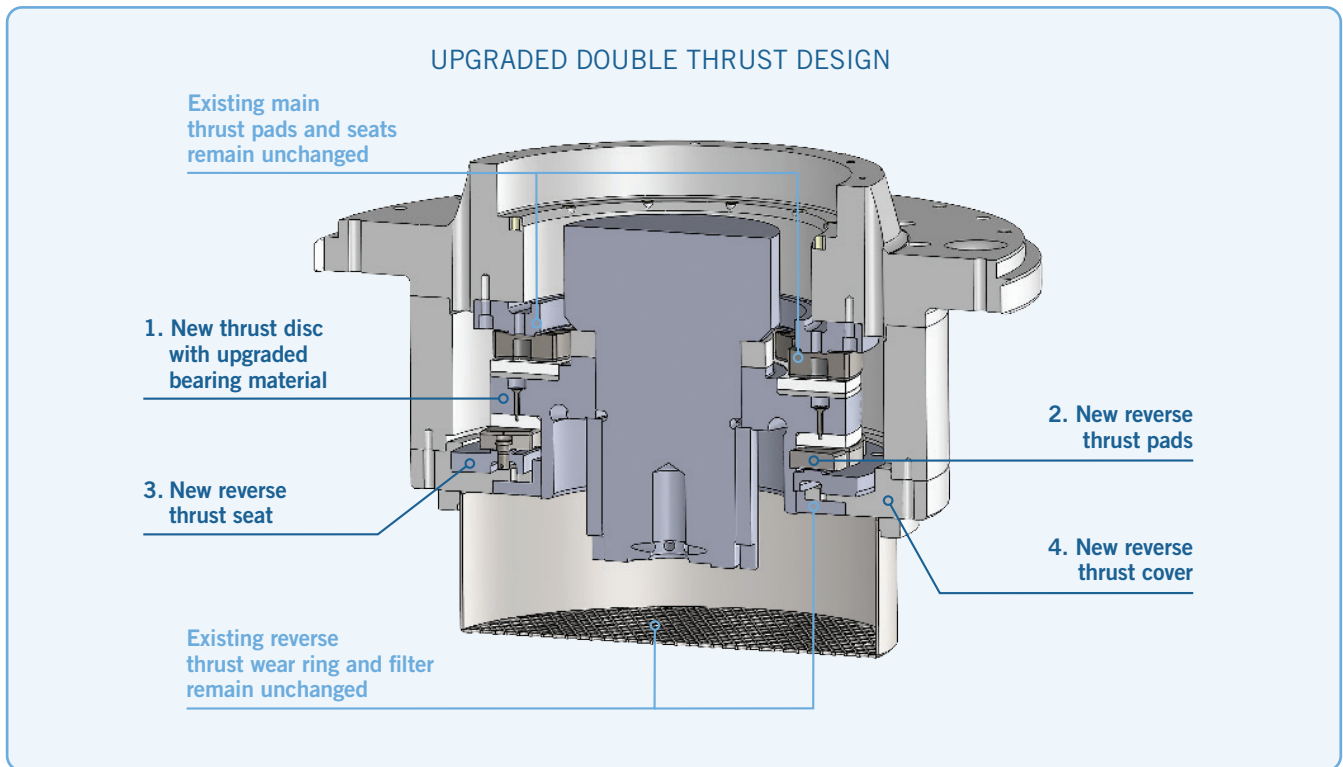
Performed with your motor installed

This bearing upgrade can be performed without the need to remove your BCP from its installed location. The upgraded parts can be ordered ahead of time, and the work can be completed as part of a thrust inspection or a scheduled upgrade. The new parts fit exactly to your existing design without the need for any machining.

BENEFITS OF UPGRADING

When you upgrade your reverse thrust bearing, you'll take advantage of these benefits:

- Up to 10x the reverse thrust bearing load capacity
- Uses OEM qualified bearing material for superior performance
- Can be upgraded in-situ during a thrust inspection
- Uses a proven thrust bearing design
- No machining required



For further information about thrust bearing upgrades for your BCP, contact your local salesperson or vermont@haywardtyler.com



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