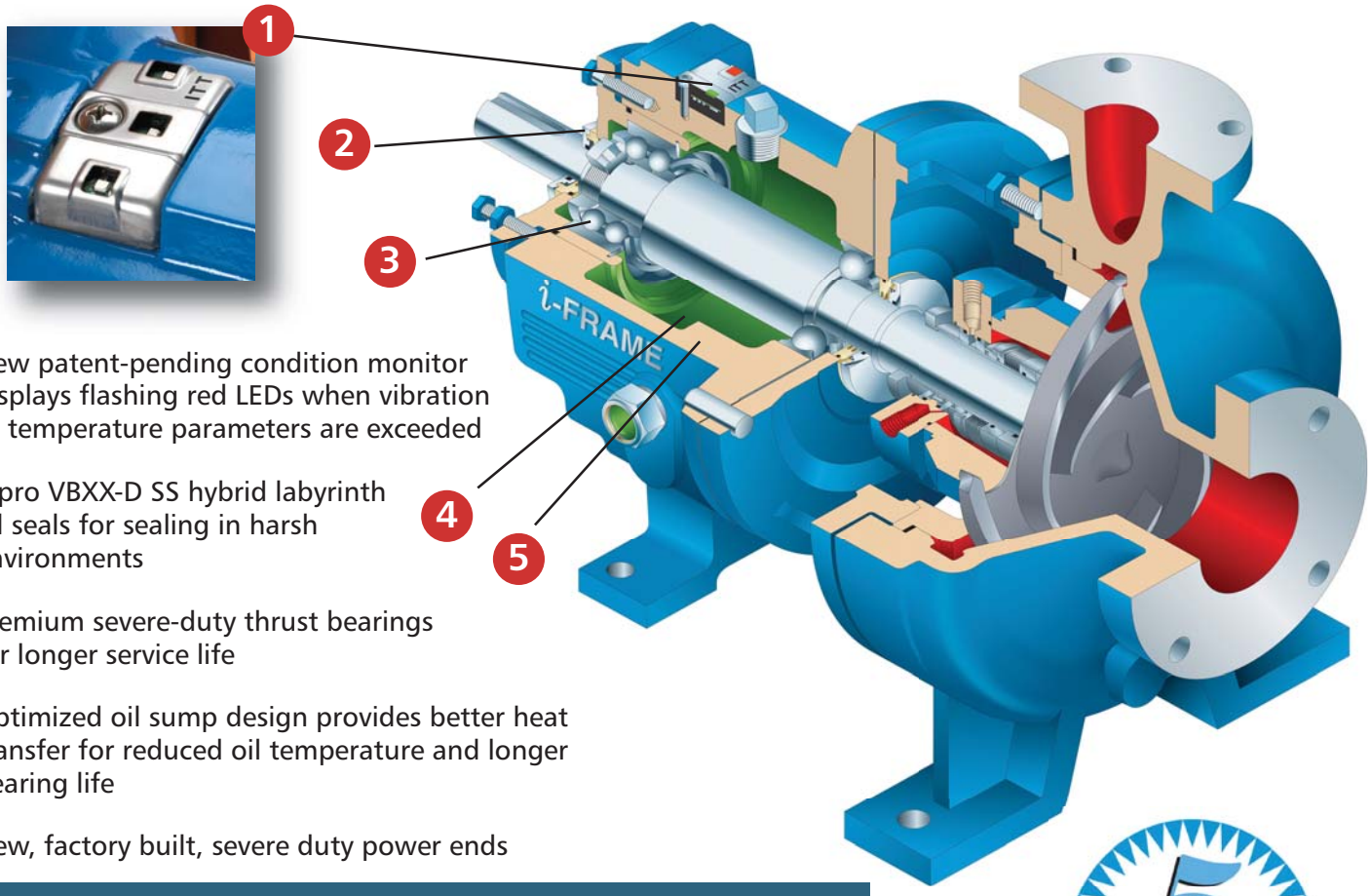
GOULDS PUMPS

Model 3196

i-FRAME™ Power End Upgrades

A revolution in pump performance and reliability

With the introduction of the new ***i-FRAME***, you can stop rebuilding your old power ends and upgrade to the power end that is setting a new standard for ANSI pumps. The ***i-FRAME*** offers you the opportunity to improve reliability with:



1. New patent-pending condition monitor displays flashing red LEDs when vibration or temperature parameters are exceeded
2. Inpro VBXX-D SS hybrid labyrinth oil seals for sealing in harsh environments
3. Premium severe-duty thrust bearings for longer service life
4. Optimized oil sump design provides better heat transfer for reduced oil temperature and longer bearing life
5. New, factory built, severe duty power ends

Additional benefits of a power end upgrade program:

- OEM tolerances guaranteed the first time and every time
- Reduction in repair costs – it is less expensive to replace than to repair for power ends
- Extended MTBF with new power ends
- Reduced parts inventory – 20+ parts versus 1 complete power end
- Short cycle time for pump repairs – 36 steps to repair, 1 step to replace
- Eliminates lost production due to unplanned downtime
- Condition monitoring at no additional cost

5 YEAR WARRANTY

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36 Simple Steps

to Repair Your Goulds Power End

DISASSEMBLY:
Step 1: Remove clamp screws and back off jam nuts.
Step 2: Remove shaft assembly.
Step 3: Remove jack screws.
Step 4: Remove bearing housing O-ring.
Step 5: Remove outboard bearing retaining snap ring.
Step 6: Remove bearing housing.
Step 7: Remove outboard labyrinth seal.
Step 8: Remove bearing locknut and lockwasher.
Step 9: Remove inboard bearing.
Step 10: Remove outboard bearing.

INSPECTION:
Step 11: Check bearing fits on shaft.
Step 12: Check shaft for straightness.
Step 13: Check shaft surface for any grooves or pitting.
Step 14: Check bearing frame for any cracks, rust or debris.
Step 15: Check inboard bearing bore.
Step 16: Inspect bearing housing for any cracks or pitting.
Step 17: Check bore of bearing housing.
Step 18: Check O-Rings for cuts or cracks.
Step 19: Pull or order any replacement parts needed.

REASSEMBLY:
Step 20: Install outboard bearing on shaft.
Step 21: Place lockwasher and locknut on shaft.
Step 22: Place bearing retaining ring on shaft.
Step 23: Install inboard bearing on shaft.
Step 24: Install new O-ring.
Step 25: Coat outside of bearing and bearing housing bore with oil.
Step 26: Install bearing housing onto shaft/bearing assembly.
Step 27: Insert retaining ring into groove of housing bore.
Step 28: Install outboard labyrinth oil seal.
Step 29: Coat outside of bearing housing with oil.
Step 30: Install shaft assembly into frame.
Step 31: Install clamping bolts into bearing housing.
Step 32: Install jacking bolt and locking nuts into housing.
Step 33: Check for shaft end play.
Step 34: Check for shaft run out.
Step 35: Check for frame face run out.
Step 36: Hope you didn't forget a step.

OR

2 Steps

The new Goulds Premier Power End Replacement Program will contain fewer steps, be a whole lot simpler and more reliable.

Step 1:

Replace Power End

Step 2:

There is no Step 2. *You're done!*

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Engineered for life

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