



PUMP REPAIR AND REFURBISHMENT



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THE PUMPnSEAL ASSET MANAGEMENT PROGRAM ADVANCED REPAIR SERVICES

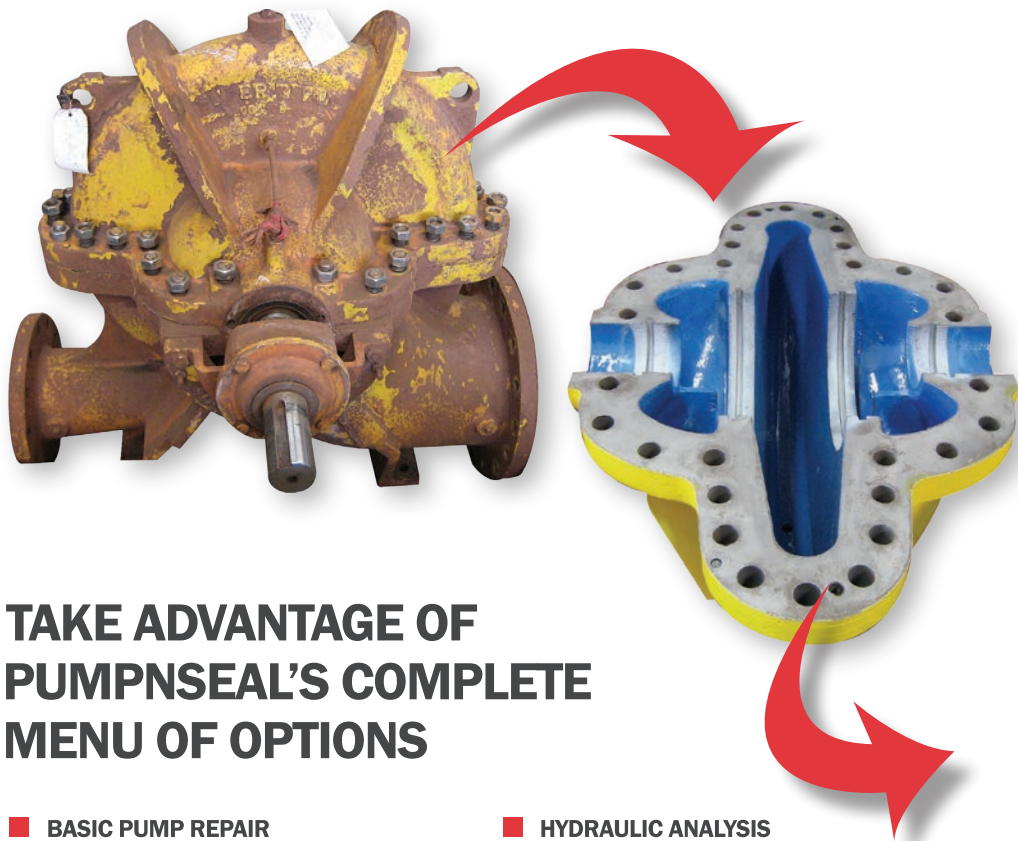


The Pump Asset Management Program from PUMPnSEAL is more than just repairing a pump. It can begin with examining the existing installation and determining where the pump is operating in relation to its Best Efficiency Point (BEP) and what factors can be improved to increase the MTBR. Specific areas where PUMPnSEAL has in house expertise:

- Gland & Mechanical Sealing application and refurbishment
- Sealing Environmental controls
- Bearing Protection equipment
- Material Upgrades (eg; wear rings of composite construction, ceramic coatings for efficiency improvements and greater wear resistance)
- Remote equipment monitoring
- Laser Alignment Service
- Balancing
- Hydrostatic and Hydrodynamic testing

PUMPnSEAL pump repair services delivers a systematic approach to improve pump performance and reliability.

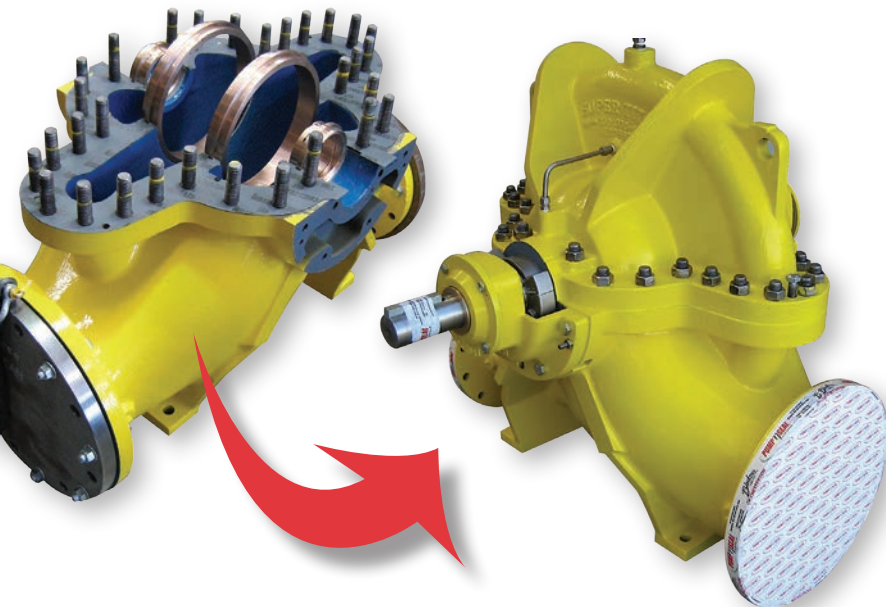
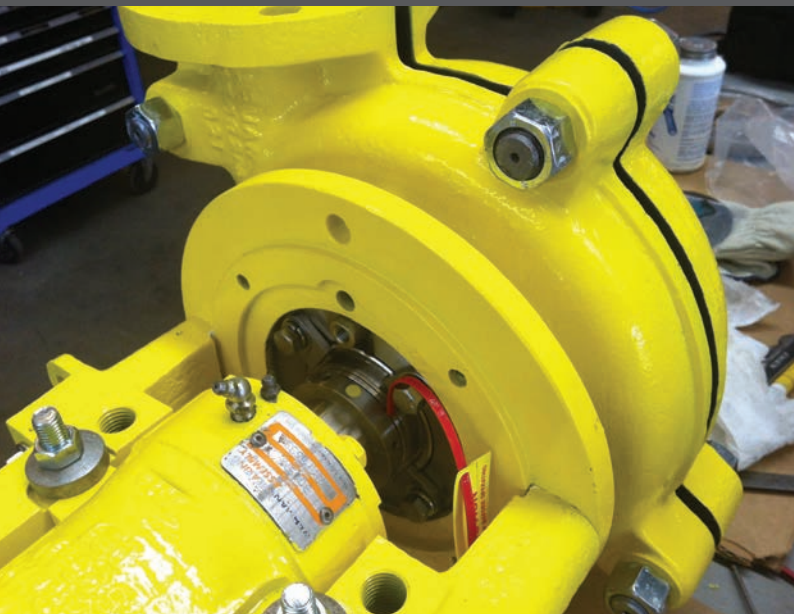
PUMPnSEAL offers a menu of options, ranging from basic repair to pump upgrades. Lifecycle extension can be obtained with our root cause analysis and precision pump repair solutions. Fast turnaround and high-quality repair ensures equipment availability.



TAKE ADVANTAGE OF PUMPnSEAL'S COMPLETE MENU OF OPTIONS

- **BASIC PUMP REPAIR**
Evaluate Pump and Repair Damaged Components
- **COMPONENT UPGRADE**
 - Seal and Packing Type/Materials
 - Ceramic and Wear Resistant Coatings
 - Bearing Protection
- **POWER END EXCHANGE PROGRAM**
- **ON-SITE SERVICES**
 - Pump and Seal Installation
 - Coupling Alignment
 - Baseplate/Foundation Upgrade
- **HYDRAULIC ANALYSIS**
 - Evaluate Pump and System
 - Pump Hydraulic BEP and System Curve
 - NPSH and Efficiency
- **ROTATING EQUIPMENT RELIABILITY PROGRAM**
 - Lower Costs with Increased Reliability

THE PUMPNSEAL ASSET MANAGEMENT PROGRAM OVERHAUL SERVICES



After receiving and disassembling an item of equipment or pump into our service centre, a full report of its condition will be produced. When repairing a machine to “as new” or including improvements, the following points are addressed:

- Detailed examination of all critical parts and their condition
- Itemized list of components suitable for re-use or refurbishment
- List of components to be replaced
- List of improvements
- Estimate of time and cost of work required



PUMPNSEAL SOLUTIONS

**MAXIMISE EQUIPMENT AVAILABILITY WHILE
REDUCING MAINTENANCE COSTS**



MECHANICAL SEAL SOLUTIONS

From split seals and cassette seals to component seals, PUMPNSEAL has the right solution for your pump. Our technology and wide range of solutions will give you the long-term performance you need.



PACKING SOLUTIONS

High performance packing solutions reduce maintenance, sleeve wear and water use. Unique construction, internal lubrication and advanced materials extend equipment life and reduce packing break-in concerns.



SUPPORT SOLUTIONS

SpiralTrac™ with seals and SuperSet™ with packing will extend reliability in slurries and

reduce flush water use. Our flange sealing solutions, Teflon tape and anti-seize compounds give you the performance you need.



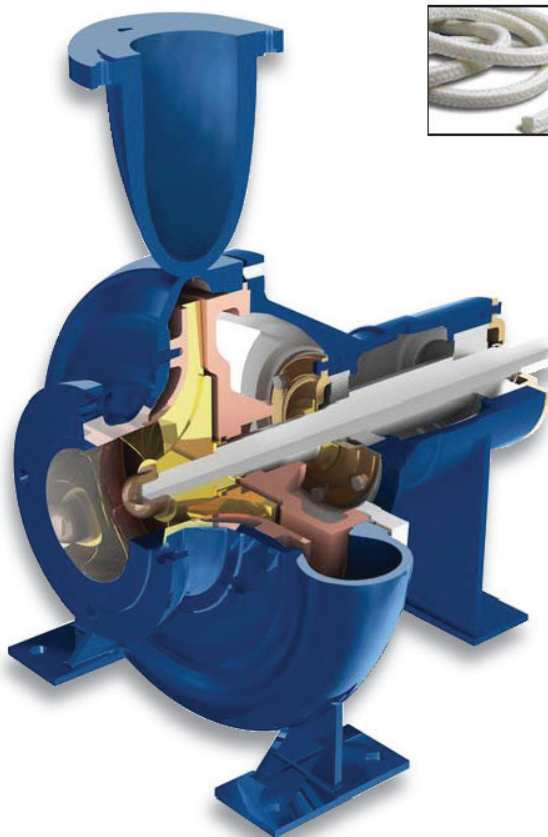
EROSION AND CORROSION SOLUTIONS

Obtain better than new performance. Rebuild, restore and protect volutes against corrosion and erosion. Improve hydraulic energy efficiencies to reduce energy costs.



BEARING PROTECTION SOLUTIONS

Water and particulate contamination are the main sources of bearing failure. Prevent bearing and lubricant contamination with polymer, labyrinth and positive seals.



THE PUMPNSEAL ASSET MANAGEMENT PROGRAM
THE RIGHT SOLUTION FOR YOU

95 Excellence Drive, Wangara, Western Australia 6065
PO Box 1766, Wangara, Western Australia 6947

T 618 9302 8400

F 618 9302 6186

E service@pumpnseal.com

www.pumpnseal.com

PUMPⁿSEAL
AUSTRALIA

