

**Washington Office Location**

21850 88<sup>th</sup> Place South

Kent, WA 98031

Office: (253) 872-2000

Fax: (253) 872-7033

Email: [info@nwindustrialrepair.com](mailto:info@nwindustrialrepair.com)



**Additional Locations**

Eastern Washington: (509) 949-3368

Idaho & Montana: (208) 360-3833

Oregon: (503) 708-9609

## RECONDITIONING A ROOTS 1024 RGS-HVB VACUUM BOOSTER



BEFORE



AFTER

- Base repair quote supplied to customer prior to receiving the equipment
- Complete visual inspection and disassembly of booster and components
  - Contact on drive end rotors and endplate
  - Drive end endplate cracked
- Pictures of tear down taken and included in firm quote with detailed description of required repairs
- Firm quote submitted to customer for approval prior to continuance of work
- Complete mechanical and chemical cleaning of all internal components and external surfaces
  - Grind rotor ends, match length
  - Grind housing length to re-establish clearances
  - Balance rotors
  - Clean heat exchanger, replace gaskets and pressure test
  - Installation of new mechanical seals, bearings, gaskets, O-rings and keys
  - Replace mechanical seal leak sight glasses
  - Replace endplate
- Set internal clearances to factory specs
- Replace oil filter and pressure gauge
- 60-minute test run of complete assembly with data acquisition program
- After break-in period has been met, system is helium leak-checked
- Copy of test data acquisition pump down curve included in shipping documents
- Prep, paint and palletize for shipment