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RECONDITIONING A RIETSCHLE VWZ-252 2-STAGE ROTARY VANE



BEFORE



AFTER

- Base repair quote supplied to customer prior to receiving the equipment
- Complete visual inspection and disassembly of rotary vane and components
 - Gears worn and damaged
 - Drive shaft seal worn on LP stage
 - LP stage contact on the drive end
- 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
 - Ceramic coat drive shaft seal area on HP stage
 - ID grind housing stages
 - Re-dowel endplates to re-establish seal gap
 - Grind rotor end and endplate on drive end LP stage
 - Ceramic coat seal areas on gearbox shafts
 - Installation of all new mechanical seals, bearings, gaskets, O-rings and vanes
 - Replace sleeves on LP & HP stages
 - Replace gearbox gear assembly
 - Replace all copper washers, wavy washers and rubber couplers
 - Replace sight glasses and temperature gauge
 - Replace motor bearings
- Set internal clearances to factory specs
- 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