

Breathing New Life into Old Equipment, with Innovative Solutions!

Case Study Multi-Stage Radially Split, Barrel (BB5)



| Duty & Fluid | OEM & Designation | Materials |
|---|---|--|
| Condensate Extraction Pump. Natural Gas Condensate | Nouvo Pignone (GE) Type A-2x8 DDM 7 Stage | Carbon Steel Hydraulic components, Stainless Steel shaft. API S5 |

Challenge

Customer required overhaul of their 7-stage barrel pump assembly which had been on a Condensate Extraction Duty. During our inspection, it was found that the cartridge unit was in a BER condition, from a combination of erosion, corrosion and time in service. Only the Suction and Discharge Covers were in a serviceable condition. Client required complete reverse engineered cartridge, pump rebuild and performance test and pump back in service in 26 weeks, OEM quoted 54 weeks.



Solution

Pinnacle Re-Tec reverse engineered and manufactured the entire pump cartridge in-house. Tight lead times were achieved by scanning BER parts immediately and all new manufactured parts were machined in-house, saving a considerable amount of time in the repair process.

Benefit

Reverse engineering and manufacturing inhouse ensured that not only did our client have a cost effective pump repair solution, but the pump was repaired in line with very tight time deadlines.

Result

Customer received a complete new cartridge assembly, fitted in the refurbished barrel, then performance tested within the 26 week deadline. Pinnacle re-Tec provided client with an improved, faster and cheaper pump repair compared to the OEM, whilst still offering OEM equivalent guarantees.



To see how Pinnacle Re-Tec can help you with cost effective pump repairs and innovative solutions to increase MTBF please call us on 01207 588 731 or email info@pinnacle-re-tec.co.uk