

Breathing New Life into Old Equipment, with Innovative Solutions!

Case Study Single-Stage Axially Split Casing (BB1)



Duty & Fluid	OEM & Designation	Materials
Cooling Water Circ. Cooling Water	Weir Pumps (SPXFlow) Uniglide SDCc 125/150	Carbon Steel Casing, Bronze Impeller

Challenge

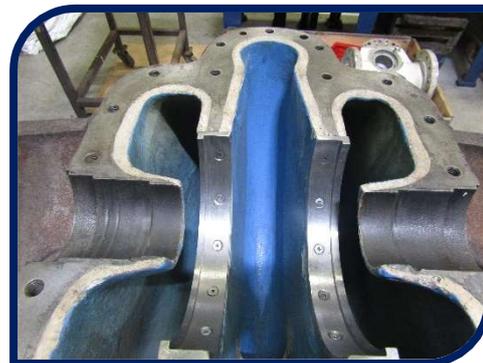
Weir Pumps Ltd Uniglide SDCc 125/150 sent to Pinnacle Re-Tec following being declared BER at another OEM service provider within the Oil & Gas supply chain.

The casing wear ring locations were washed out and the lip that holds the ring axially had been degraded over years of operation.



Solution

Pinnacle Re-Tec were able to offer a cost-effective repair solution, by reverse engineering and manufacturing in-house all required spare parts. In line with the job Inspection & Test Plan, we manufactured four L-Profile half rings to recover the original profile of the casing. The casing was then line bored in-house to accept the repair rings, which were mechanically fixed in place at the four locations and a final line bore of the casing assembly was carried out to ensure acceptable geometric tolerances to the flanges and stuffing box bores & faces.



Benefit

Pinnacle Re-Tec identified a solution which significantly reduced the cost and lead-time compared to a new casing manufacture, as proposed by an OEM repair shop. In doing so we are breathing new life into old equipment which is in line with the challenging goals of the UK Oil & Gas Industry today, whilst offering OEM equivalent warranty guarantees.

Result

Pinnacle Re-Tec completed the work scope in 8 weeks, compared to the OEM option which was over 24 weeks. By reverse engineering all the required spare parts and manufacturing in-house, Pinnacle Re-Tec can offer clients reduced lead-times on pump repairs whilst offering OEM equivalent quality 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