

**Cost-effective
Pump Repairs,
with Innovative
Solutions!**

Case Study Vertical, Diffuser Bowl, Lineshaft (VS1)



Duty & Fluid

Fire Water Pump
Fire Water

OEM & Designation

David Brown (SPX Flow)
Unknown Designation

Materials

See below for Details

Challenge

UK Onshore Petrochemical Refinery Customer was having corrosion issues with the Ni-Resist pump. The OEM timescale did not fit with this time critical repair. Customer was also looking for solutions to improve MTBF for this safety critical pump.



Solution

Pinnacle Re-Tec reverse engineered and manufactured in-house the required replacement Channel Rings, Diffusers and Suction Bell in Super Duplex Material. In addition to upgrading the Hydraulic End we manufactured new Column Pipes and repaired the Discharge Head by replacing the Discharge Nozzle and re-instated the locating spigot.

Benefit

By reverse engineering and manufacturing all new parts in-house, Pinnacle Re-Tec were able to provide the customer with a more economic pump repair solution compared to the OEM, whilst still offering OEM equivalent guarantees.

Result

Pinnacle Re-Tec provided the customer with an on-time and cost-effective pump repair which included a full trial assembly of the pump string. By introducing Super Duplex materials to the Hydraulic End of the pump, which are better suited to the operational environment, we addressed the customers concerns with regards to improving MTBF.



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