

RA 500 series to Column Pump



Industry Petrochemical
Date April 2011
Substrate Column pump
Products RS 500P
 RA 500 Series
 RH 500
 RP 500
Environment Storm Water, Effluent from Refinery

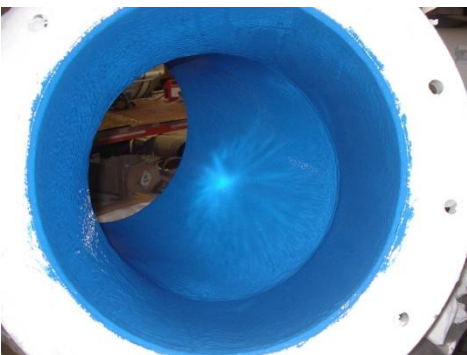


Challenge Corrosion pitting is evident in the suction bell & adjoining column. Erosion/corrosion was taking place in the wear spacer ring/housing.

Chemco's Solution We recommend rebuilding the internal diameters affected by erosion corrosion to extend column pipe life and return pump to original efficiency.

Pitting and erosion in the wear spacer ring/housing

Scope Abrasive blast to AS.1627.4 to class 2.5
 Masking and protection of critical shaft tolerances
 Pitting is filled to allow smooth transition and prevent coating defects
 Application of RA 532 internal & external
 Pitfilled areas within impeller housing to ensure smooth finish
 Application of RA 532 at a nominal thickness of 200 µm internal & external
 Application of RP500 internal
 Application of Luxathane R 'N35' external



3rd coat complete

Results The pump was rebuilt and returned to service within a week. A new replacement pump had a lead time of 16 weeks. The client was extremely happy thanks to the experienced Chemco team and the exceptional qualities of the Chemco International Range.



Finishing touches ready for packaging