Refurbishment of Corroded Basket Strainer

On Arrival

O ring groove after initial abrasive blast

After 2nd blast and 2 hot washes

Completed

Industry	Power Generation
Date	February 2018
Substrate	Steel
Products	Epo-Chem™ RS500P and RA500M
Environment	Salt water strainer
Challenge	Removal of heavy corrosion. Holes identified through the body and heavy localised pitting, particularly in the O ring groove sealing ring area. Weld repairs were carried out prior to further hot washing and re-abrasive blasting.
Chemco's Solution	Repeat abrasive blasting and hot washing to reduce metallic salts below 25 ppm. Pit filling of deep metal loss and
Scope	High pressure hot wash and repeat abrasive blast to reduce soluble salt levels below 25ppm Abrasive blast to AS 1627.4 Class 2.5, nominal 75µm profile. Application of RS500P, then two coats of RA500M Series to obtain minimum thickness of 500µm Cast sealing ring for O ring groove rebuilding the original surface profile using Carry out QA, spark test at 4kV and DFT to confirm coating integrity.
Results	Quick turn-around allowing minimal disruption to meet project milestone targets. Strict QA requirements including DFT and holiday testing to the required voltage to ensure many years of high performance

we defy nature

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