

## BELZONA SOLUTION FOR COOLING TOWER WATER CIRCULATION PUMPS

### CUSTOMER

Petrochemicals Company, Saudi Arabia

### APPLICATION DATE

December 2015

### APPLICATION SITUATION

Discharge head, discharge elbow, column pipes, upper casing and suction bells of a Cooling Tower Water Circulation Pump.

### PROBLEM

This Cooling Tower Water Circulation Pump was suffering from erosion and corrosion on all internal surfaces and corrosion on external surfaces

### PRODUCTS

Belzona 1111 (Super Metal)

Belzona 1341 (Supermetalglide)

Belzona 5811 (Immersion Grade)

### SUBSTRATE

Steel

### APPLICATION METHOD

The applications were undertaken in accordance to modified versions of Belzona Know-How System Leaflets CEP-5, CEP-3, CEP-4. Belzona 1111 was applied directly over the blasted metal surface to rebuild weld joints, pitting, depression and eroded surface. For internal surfaces, apply two-coats with Belzona 1341. For External surfaces, the surface was primed with Belzona 3921 two coats of Belzona 5811 were applied.

### BELZONA FACTS

Application performing in service is great and the customer is very satisfied. They have agreed to recommend Belzona in place of alternate systems for all future applications of this nature.

### PICTURES

1. Damage beforehand
2. Damage beforehand
3. Application in progress
4. Completed application



1.



2.



3.



4.

For more examples of *Belzona Know-How In Action*, please visit <http://khia.belzona.com>



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