

Volume XIX No.29

BELZONA REPAIRS VACUUM PUMP

CUSTOMER

Large Phosphate production faciltiy - Egypt

APPLICATION DATE

September 2004

APPLICATION SITUATION

Vacuum pump

PROBLEM

Eroded-corroded rotor and casing due to the effect of water, chemicals and limestone. The vanes of the rotor were cracked and fractured in many places.

PRODUCTS

Belzona® 1311 (Ceramic R-Metal) Belzona® 1321 (Ceramic S-Metal)

SUBSTRATE

Cast Iron

APPLICATION METHOD

The application was carried out in accordance with Belzona® Know-How System Leafets CEP-1 and -3.

BELZONA FACTS

The repair was done at a fraction of the cost of a replacement, and with the Belzona Ceramic Metal System, the rotor is protected from the erosion-corrosion cycle.

PHOTOGRAPHS

- 1. The eroded-corroded rotor.
- 2. Repairs to cracks and fractures in the vanes of the rotor.
- 3. Rotor after repairing and coating.
- 4. Casing after repairing and coating.









©Copyright 2005 by Belzona International, Ltd. All rights reserved. No part of this work covered by the copyrights herein may be reproduced or used in any form or by any means - graphic, electronic or mechanical including photocopying, recording, taping, or information storage and retrieval systems - without written permission of the publisher.