

Pump Oil Sump Not All Its "Cracked" Up To Be

ID: 910

Industry: Water / Wastewater

Customer Location: US Bureau of Reclamation / Farmington, NM

Application: VPF-Valves, Pipes and Fittings

Application Date: July 2007

Substrate: Steel

Products: Belzona® 2111 (D&A Hi-Build Elastomer)

Problem

Large oil sump for the shaft bearing at the top of the pump was experiencing cracking from harmonic vibration. As the company that produced the pump was no longer in business and available parts are difficult to find and very expensive, \$1000 of Belzona saved them over \$60,000 worth of replacement parts, labor and downtime. In addition the Belzona solution eliminated the problem from occurring again.



Photograph Descriptions

* Pump Station , * Clean, Dry and Abraded , * Conditioner Applied , * Application of the Belzona® 2111 ,

Application Situation

7000HP Lewis Alice Motor driving a water pump with 800 cubic feet per second flow rate

Application Method

The application was carried out in accordance with a modified version of the Belzona Know-How System Leaflet VPF-3.

Belzona Facts

Welding would have stressed the steel causing more cracks to appear. The only way to resist vibration and contain the oil was a flexible surface.

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

ISO 9001:2015

Belzona products are

FS 695214

manufactured under an ISO

ISO 14001:2015

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EMS 695213

Management System.

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