Industry: Power & Desalination
End User: Dubai Electricity & Water Authority (DEWA)
Application: De-mineralization Pit Pump
Thordon Grade: ThorPlas-Blue
Date of Original Installation: September 2019

EASY INSTALLATION OF THORPLAS-BLUE BEARINGS SAVES END USER THOUSANDS OF DOLLARS

About:

Dubai Electricity & Water Authority (DEWA) is a public service infrastructure company that was founded in 1992. The objective of the state-run company is to make an adequate and reliable supply of electricity and water available to the people of Dubai and other emirates.

Challenge:

The OEM bearings that were installed in the de-mineralization pit pump were fabric lined metal and wore out after 4 years. Not only were the staff working at DEWA not trained to install replacement bearings in this pump, but the OEM bearings were not readily available with long lead times. The end user was in need of new pump casings and bearing housings that were readily available and easily installed. As the pit pump was pumping seawater, the new bearing material would have to be resistant to corrosion.
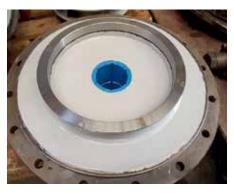
Solution:

ThorPlas-Blue was proposed to the end user by Thordon's Dubai-based distributor, Ocean Power International. The distributor had the required tube stock available and the ability to quickly supply fully machined bearings to the end user. ThorPlas-Blue was also attractive to the end user because of how easy the bearings are to install, especially compared to the fabric lined metal bearings. ThorPlas-Blue provides a long wear life and will not corrode in the seawater.

Result:

Since the bearings were installed in September 2019, they have been operating without any issues. It is estimated that by installing ThorPlas-Blue, the end user will have saved USD $50,000 by reducing downtime, and by eliminating the labour costs associated with replacing the OEM bearings.

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