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HIGH PERFORMANCE VpCI® PACKAGING

CASE HISTORY

Protection of Wind Turbine Shafts, Rings, and Hubs



CORTEC® REPRESENTATIVE

Quimilock S.A.

PROBLEM

The customer makes shafts, rings, and hubs for wind turbines and continuously ships them all over the world from various locations in Spain. They had experienced past problems with corrosion and needed a system that would protect the components from corrosion for two to five years in indoor and outdoor conditions.

APPLICATION

The components were first given a thorough cleaning with VpCI®-415 (dilution in water) as needed to remove any dirt or grime. After drying, the most sensitive metal surfaces were coated with VpCI®-368 D removable coating at 50-75 µm (2-3 mils) wet film thickness using a roller. Finally, each element was wrapped and heat shrunk in either VpCI®-126 HP UV Shrink Film or MilCorr® VpCI® Shrink Film, depending on length of protection needed. The components were shipped out along with VpCI®-414 as part of a complete kit to clean off VpCI®-368 D at the destinations when required.

CONCLUSION

After testing Cortec® VpCI® materials, the customer ultimately decided to incorporate them into their new wind turbine projects to avoid corrosion problems of the past, commenting that the system is very easy to apply.

DATE

2020

LOCATION

Spain

CUSTOMER

Major Wind Energy
Component Manufacturer

PRODUCTS

MilCorr® VpCI® Shrink Film
VpCI®-126 HP UV Shrink Film
VpCI®-368 D
VpCI®-414
VpCI®-415

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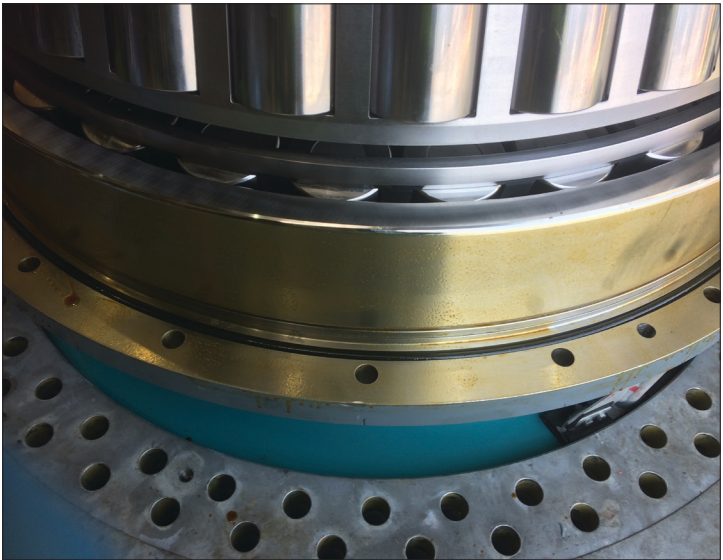
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Environmentally Safe VpCI®/MCI® Technologies



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