



HIGH PERFORMANCE VpCI® PACKAGING

CASE HISTORY SPOTLIGHT

Case History #517: Drill Ship Preservation



CASE HISTORY
Drill Ship Preservation

PROBLEM
Customer required their drill ship to be laid up hot, meaning the engines and some equipment would be operational, but the main drilling rig would be preserved and not in use.

APPLICATION

- The risers were treated with VpCI®-337 and the ends sealed with VpCI®-126 HP UV Shrink Film.
- The bulk storage tanks, associated pipe work, and cement mixing tanks were treated with VpCI®-609 S.
- All electric JB's, motors, and monitors both internal and external were treated with VpCI®-101, 105, and 111 Emitters or VpCI®-170 tape.
- All lube oil and hydraulic systems that were to remain in use or with oil in them were treated with M-529, and all empty tanks and systems were treated with VpCI®-322.
- All exposed pistons and operating systems that required lubricating as well as protection from corrosion were treated with VpCI®-369 D.
- All rails and cranes with exposed metal were treated with VpCI®-368 D.
- Any exposed corroded metal where loose metal and rust was visible was cleaned up and treated with VpCI®-368 D.
- All exposed rusted metal that could not be properly cleaned had the loose rust brushed off and treated with CorrVerter®.
- CorrLube™ EP Lithium Grease was used on any area requiring grease.

CONCLUSION
Cortec® products provided a corrosion protection solution to this customer that has resulted in the low cost storage of this high value asset, allowing for quick redeployment when required.

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Environmentally Safe VpCI/MCI® Technologies
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“Hot” layup of a drill ship required some equipment to remain operational, while the main drilling rig was preserved out of use. The solution involved standard VCI fogging of riser, tank, and piping void spaces (risers were subsequently capped with VpCI®-126 HP UV Shrink Film). Electric junction boxes, motors, and monitors were protected with a range of VpCI®-101, 105, and 111 emitters or VpCI®-170 tape. Lube oil and hydraulic systems containing oil were treated with M-529, and empty tanks were protected with VpCI®-322. VpCI®-369 D was applied to pistons and operating systems that needed dual corrosion protection and lubrication. VpCI®-368 D, a removable rust preventative coating, was applied to various exposed metal surfaces such as rails and cranes. Surfaces that were too rusty to clean properly were treated with CorrVerter®. CorrLube™ VpCI® Lithium EP Grease, a corrosion inhibiting lubricant that can be used during operation or layup, was added to areas needing grease. The result was a low-cost storage solution that would enable quick redeployment of the drill ship when needed.

To read the full case history, please visit: https://www.corteccasehistories.com/?s2member_file_download=access-s2member-level1/ch517.pdf

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