



VpCI® SOLUTIONS FOR LONG-TERM PRESERVATION, LAYUP, & MOTHBALLING

CASE HISTORY

PVD5 Platform Preservation



DATE

August 2017

CORTEC® REPRESENTATIVE

MDI Chemical

CUSTOMER

PetroVietnam Drilling Deep Water
(PVDD)

LOCATION


Ba Ria-Vung Tau Province, Vietnam

PRODUCTS

VpCI®-411
VpCI®-414
VpCI®-422
VpCI® Super Penetrant
VpCI®-433
VpCI®-377
VpCI®-368
VpCI®-369
VpCI®-386
VpCI®-326
VpCI®-329
VpCI®-705
M-531
CorrVerter®
CorrLube™ VpCI® Lithium EP Grease
VpCI®-101 Device
VpCI®-111
VpCI®-239
Rawn Universal Contact Cleaner
Corwipe® 500
VpCI®-308
VpCI®-609
VpCI®-645
VpCI®-649 BD
VpCI®-126 Blue
VpCI®-126 HP UV Shrink Film

4119 White Bear Parkway, St. Paul MN 55110 USA
Phone (651)429-1100, Toll free (800) 4-CORTEC
Fax (651) 429-1122, Email: info@cortecvci.com
www.cortecvci.com

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PROBLEM

The “PV Drilling V” rig was cold stacked at Vung Tau after five years of operation in the Vietnam “East Sea” (from 2012 to 2016). Equipment and systems on the rig needed to be maintained and preserved long term according to industry standards. The equipment consists of a complex system located in an extremely corrosive environment.

APPLICATION

1. VpCI®-411, VpCI®-414, VpCI®-422, VpCI® Super Penetrant, and VpCI®-433 were first used to clean the dust, oil, grease, and other contaminants off equipment surfaces before applying protection.
2. Electrical items were cleaned with VpCI®-239, Corwipe® 500, and/or Universal Contact Cleaner. VpCI®-101 Devices and VpCI®-111 Emitters were placed inside.
3. VpCI®-326 (at 20%), VpCI®-329 (at 20%) and M-531 (at 5%) were used as lubricant additives in gearboxes and mud pump transmissions and engines. VpCI®-705 was diluted at 100 ppm for use as a fuel additive.
4. CorrVerter®, VpCI®-368, VpCI®-369, and VpCI®-386 were applied as coatings on surfaces of both indoor and outdoor equipment.
5. Equipment, wire rope, and loose items were covered with VpCI®-126 Blue or VpCI®-126 HP UV Shrink Film.
6. CorrLube™ VpCI® Lithium EP Grease was applied to bearings and wire rope.
7. VpCI®-649 BD was diluted and added to cooling water and fresh water systems at a ratio of 0.5%.
8. VpCI®-645 was diluted and added to seawater systems at a ratio of 0.75%.
9. VpCI®-308 and VpCI®-609 were fogged into the empty tank and pipeline.



CONCLUSION

Cortec® was chosen because of its reputation for proven long-term preservation solutions and services and its many environmentally friendly products. The customer was pleased with Cortec’s past successful achievements on similar applications and projects and was attracted to the one-stop-shop “Total Corrosion Protection” solution concept provided.

