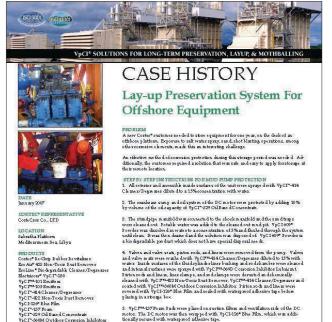


## **CASE HISTORY SPOTLIGHT**

## Case History #303: On-Deck Layup of **Offshore Equipment**



SO/IEC-17025

All exposed surfaces of the mudpump housing were coated with Vp CPM-S over Commission Inhibitor



A mud pump, BOP (blowout preventer), and top-drive unit needed to be stored for one year on the deck of an offshore platform. This presented interesting challenges because of exposure to corrosive conditions such as seawater spray, sand, and shot-blasting activities. The client needed an effective method of corrosion protection that was also safe and easy for them to apply in a remote location. Cortec® was able to meet the customer's requirements in a corrosive environment by supplying the following preservation system along with world-class technical support.

Preservation involved cleaning much of the equipment's inner and outer surfaces with VpCI®-414 or VpCI®-415. VpCI®-422 and VpCI®-423 were used where rust removal was required. Various exposed equipment surfaces were coated with VpCI®-368 M, while many internal surfaces were protected by spraying or lubricating them with VpCI®-369 D.

A number of the components, such as gearboxes and or oil systems, were protected by adding VpCI®-329, an oil-based corrosion inhibitor concentrate. Eco-Line®Biobased Rubber Revitalizer provided protection for storage of various rubber components, such as the BOP packer and ram body top seals. The top drive rail, wire cables, and rotating gears were coated with CorrLube<sup>™</sup> VpCI<sup>®</sup> Lithium EP Grease, as were the BOP bearing and brake linkages, which were also covered in VpCI®-126 Film. VpCI®-609 was dissolved in water and flushed through part of the mud pump system until clean.

Electrical enclosers of the top drive were protected with ElectriCorr® VpCI®-238, VpCI<sup>®</sup>-101 Devices, and VpCI<sup>®</sup>-105 Emitters. VpCI<sup>®</sup>-126 Film was used to wrap the DC motor of the mud pump, in combination with VpCI®-137 Foam Pads, which were placed on the suction filters and ventilation side. Other components on the rig were also stored in VpCI®-126 Film.

Startup procedures generally required simply rinsing outer equipment surfaces with EcoLine® Cleaner/Degreaser, removing VpCI®-126 Film and VpCI®-137 Foam Pads, and inspecting as needed.

Read the full detailed case history here: https://www.corteccasehistories. com/?s2member\_file\_download=access-s2member-level1/ch303.pdf

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