



VpCI® HEAVY DUTY LUBRICANTS



CASE HISTORY

Electrical Connection Corrosion Protection

PRODUCTS

CorrLube™ VpCI® Lithium EP Grease

PROBLEM

A major mining equipment manufacturer was attempting to protect electrical connections in control boxes. The grease they were using from one of Cortec's competitors was not performing well, and several areas were still corroding. Teknoma needed a more effective product that would meet requirements of a dielectric test while being flame retardant (control boxes are located in mining equipment where burning chemicals cannot be used).

APPLICATION

Cortec® recommended CorrLube™ VpCI® Lithium EP Grease to provide corrosion protection. This lithium complex grease was formulated with premium quality, severely hydrotreated base stock while providing excellent resistance to oxidation. It contained special VpCI® protective properties against salt water, brine, H₂S, HCl, and other corrosive agents. CorrLube™ VpCI® Lithium Grease had high temperature stability and was suitable for both operating and lay-up conditions. Test results according to the ASTM D149 Dielectric Strength and Breakdown Voltage method exceeded expectations.

CorrLube™ VpCI® Lithium EP Grease was applied to vulnerable areas from a custom-designed tube. Coating thickness depended on the extent to which areas were exposed to the corrosive influence.

CONCLUSION

The customer reported that excellent results were obtained in the field. Cortec® CorrLube™ VpCI® Lithium EP Grease was easily applied, easily removed, and continues to give long lasting reliable performance.

DATE
December 2015

CUSTOMER
Major Equipment Manufacturer

CORTEC® REPRESENTATIVE
Teknoma

LOCATION
Finland

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

ch503 2/2016

Printed on recycled paper  100% Post Consumer

