

# Customer Testimonial

Product Name: Viper WRL Mid Kit

Location: Melbourne Port, Australia

## OVERVIEW:

- Customer is looking for a safe solution to clean and lubricate STS (Ship to Shore) wire ropes.

## APPLICATION:

Clean and lubricate all wire ropes.

## CHALLENGE:

The maintenance team currently use wire brushes to clean the wire ropes by hand.

The current process is inconsistent, with the wire rope slowly fed out at 1-meter intervals. This process is arduous, messy, and unsafe, compounded by the difficulty of removing old, contaminated lubricant effectively.

To clean and lubricate a single rope, with a team of four, it can take approximately 32 hours. **Employing this manual process to clean and lubricate all ropes with a crew of four it can take 4-5 days, the equivalent to 140-160 work hours.**

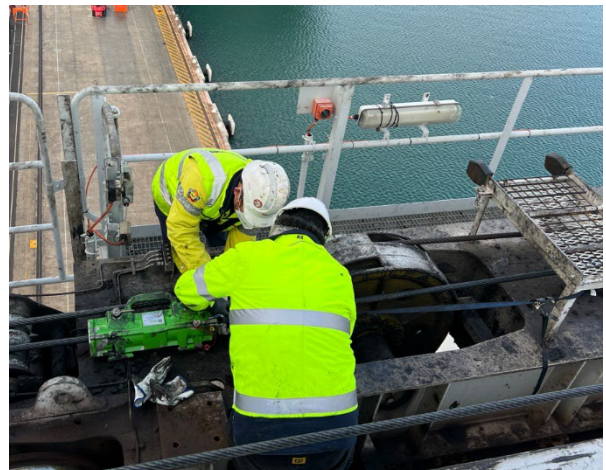
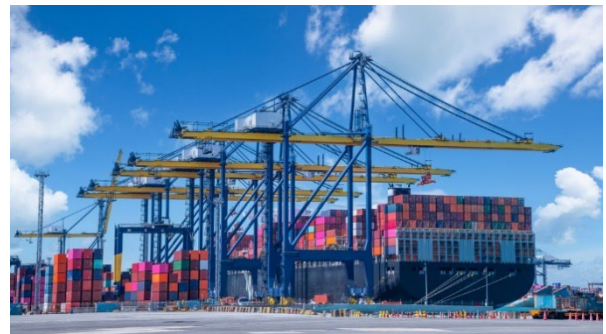


FIG 1 – Maintenance team safely cleaning and lubricating boom rope in a single pass in just under an hour.

## SOLUTION:

By using the Viper WRL Mid Kit along with the Viper VRC (Viper Rope Cleaner), a team of three can effectively clean the wire ropes, remove contaminants, and re-lubricate at normal operating speeds. (Ref FIG 1) it took one hour to clean and lubricate a boom rope.

In contrast, **the manual process of cleaning and lubricating a crane can take around 1.5 days, approximately 36 hours.**

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## RESULTS:

Achieved a positive outcome and **saved over 100 hours in maintenance work.**

In addition to the time saving benefits, the application of Viper Coating Grease resulted in consistent lubrication of the wire ropes. This has ensured that the ropes are coated evenly with a fresh layer of lubricant. (Ref FIG 2 & 3).

The combined use of Viper WRL, Viper Rope Cleaner and Viper Coating Grease has led to a safe and efficient solution that has significantly reduced maintenance costs with over 100 hours been saved.



FIG 2 – Viper WRL Mid is set up in the drum wire room, cleaning and applying new Viper Wire Coating Grease whilst rope is feeding back onto the drum.



FIG 3 – Visually you can see the left-hand side of the drum has cleaned and re-lubricated wire rope vs the right-hand side drum rope which has yet to pass through the cleaner and Viper WRL.



sales@viperwrl.com  
26 Prince William Drive  
Seven Hills NSW 2147  
Australia  
P: +61 2 96365655 | www.viperwrl.com

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