

Customer Testimonial

Shipping Mooring Ropes



Equipment

- Viper MID MKII or Viper Mini MKII
- Seals, Scrapers
- Rope Cleaner – Typical rope sizes 35mm to 38mm, 6 strand right lay ropes

Customer Profile

Multi Vessel fleet operator's primary focusing on Oil Tankers, also may operate LNG Vessels.

Application

Typically, there are up to 14 mooring lines on one vessel each around 300m long and mostly around the 35mm to 40mm in diameter. Construction normally 6 x 36 right lay.

These ropes suffer from excessive contamination build up due to being dragged over the seabed while being spooled in. This Salt incrustated mud causes premature corrosion and pitting throughout the structure of the rope, potentially risking a rope fracture while in use. This would have catastrophic consequences while Vessels are being pumped. It would also cause environmental Oil spill.

Challenge

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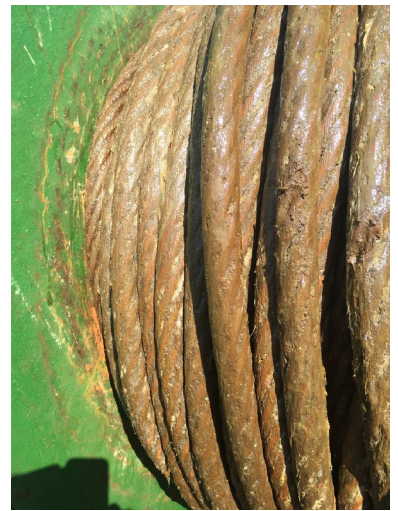
Typically, these Ropes are cleaned and lubricated by hand, this is both very time consuming and not effective.

To Manually Clean and Lubricant each 300m Mooring line rope can take 2 x personnel one day = 16 hours labor per mooring rope

For complete Vessel 16 x 14 ropes = 224 hours

Viper Solution

Using Either a Viper Mini or Viper Mid MK11 and Viper Rope Cleaners (VRC), Vessel crew are able to Clean and lubricate rope in one pass at Winch's maximum Speed. Each 300m rope is completed in less than 30min. All external contamination is removed, and lubricant is worked into the structure of the Wire Rope.



Typical mooring rope in service



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Results

Viper WRL Method:

Each rope 1 hour two personnel = 2 hours x 14 ropes = 28 hours for all Mooring lines cleaned and Lubricated.

The Application is required quarterly

Total Hours Per year = 112

Old Manual Lubrication method:

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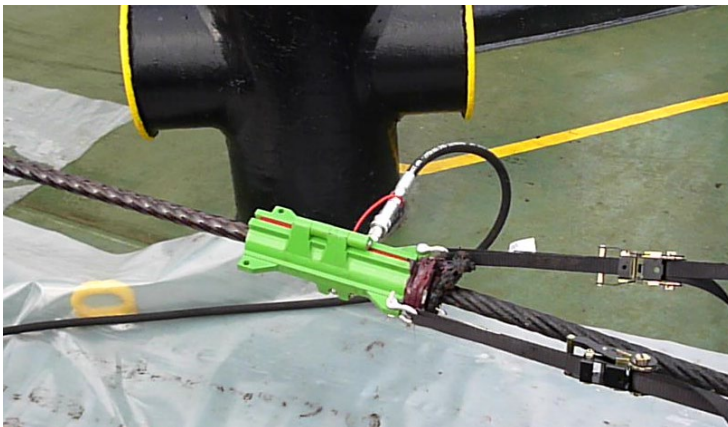
For complete Vessel 16 x 14 ropes = 224 hours

Total Hours Per year = 896

Total Labour hours Saved Per Annum

784

**** Rope Operational Life also greatly extended and risk to rope failure dramatically reduced . ****



Other Viper WRL Products suitable for this Industry include;

- Viper Single point Lubricators
- Viper Coating Grease VCG-1



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