

Lubrications Extend Wire Rope Service Life by 6X

Marine Industry Products: Chesterton 601 Chain Drive & Pin Bushing Lubricant, 715 Spraflex® Gold Case Study 062 IL/MRO

Challenge

Background

The wire rope for marine port cranes were lubricated with an ordinary grease. It was observed that by using this ordinary grease it caused the following:

- Ineffective function due to residue build up and abrasive wear.
- Messy application, dripping, and contamination
- Failure to lubricate the inner layers
- Monthly replacement of wire ropes

Solution

Product

Chesterton 601 Chain Drive Pin and Bushing Lubricant was applied for internal lubrication and Chesterton 715 Spraflex® Gold for external lubrication.

601 penetrates to the core of the rope, dispacing water and cleaning away old residue.

715 Spraflex[®] Gold provides a waterproof external lubricating film.

Results

Increased Reliability

It was observed, after proper application, the following has been evident:

- Effective and efficient performance of the hoist cranes.
- Longer life of the material as internal lubrication has been added to their procedures during maintenance.
- Frequent replacement of wire ropes have been decreased from 12 times a year to twice a year. A 600% increase in service life.



Wire rope with ordinary grease applied.



Wire rope with Chesterton 601 Chain Drive and Bushing Lubrication and 715 Spraflex Gold applied.



After a month of application wire ropes are still free from dirt and dust build up.

Technical data reflects results of laboratory tests and is intended to indicate general characteristics only. A.W. Chesterton Company disclaims all warranties expressed or implied, including warranties of merchantability and fitness for a particular purpose. Liability, If any, is limited to product replacement only. Any images contained herein are for general illustrative or aesthetic purposes only and are not intended to convey any instructional, safety, handling or usage information or advice respecting any product or equipment. Please refer to relevant Safety Data Sheets, Product Data Sheets, and/or Product Labels for safe use, storage, handling, and disposal of products, or consult with your local Chesterton sales representative. A.W. Chesterton Company 860 Salem Street, Groveland, MA 01834 USA © 2020 A.W. Chesterton Company ® Registered trademark owned by A.W. Chesterton Company

in USA and other countries, unless otherwise noted. Chesterton.com