

Challenge

Background

- Marine terminal depended on wire ropes for loading/unloading ships.
- The wire ropes were subjected to highly corrosive salt air and airborne sand.
- Terminal had been using a competing OEM recommended product to lubricate and protect against corrosion.
- Goal: Provide a lubrication system to reduce the build up of dirt and give better corrosion protection

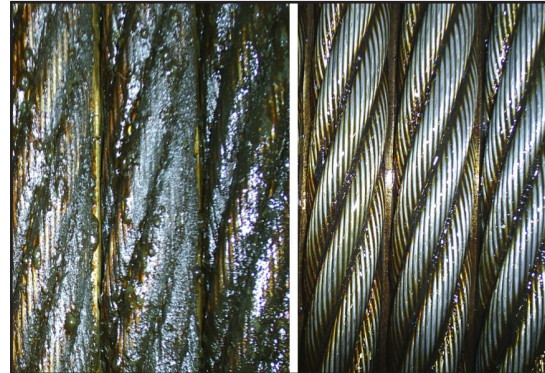


Crane cable lubricants dry out, trap dirt, and fail to prevent corrosion after 12 months.

Solution

Product

- Customer decided to make a side-by-side trial of **Chesterton 601** and **Chesterton 715 Spraflex® Gold** vs. the currently used lubricant system on 2 cables on the same Terex® Gottwald crane.
- The Chesterton 1-2 System cleans, penetrates, and seals the wire rope.
- After 4 months, the trial revealed that the Chesterton 1-2 System was preventing corrosion and did not show the significant buildup of the competing lubricant (bottom left).



A side by side trial with OEM Lubricant proves the value of the Chesterton 1-2 System on right.

Results

- The Chesterton 1-2 System of **601 Chain Drive, Pin and Bushing Lubricant**, and **715 Spraflex® Gold** has maintained the wire rope for 12 months with no signs of wear, build-up, or corrosion.
- Based on the excellent results, the customer decided to lubricate all 6 Gantry Crane wire ropes, each being 500 m. (1650 ft.) total with **Chesterton 601** and **715 Spraflex® Gold**.



Clean, lubricated and protected with Chesterton 601 and 715 Spraflex® Gold.