Crane, Hoist Wire Rope Lubrication
Chesterton Lubricants/MRO Chemicals

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.

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).

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.

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

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

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