

KIRKPATRICK WIRE ROPE LUBRICATION SYSTEMS TESTIMONIALS

Letter from Commander, Naval Sea System's Command to Commander In Chief, U.S. Atlantic and U.S. Pacific Fleets after completion of Navy tests of The Kirkpatrick Wire Rope Lubrication System. Subject: Wire Rope Lubrication System Evaluation. (1988)

- *The results of the evaluation and demonstrations were highly successful. The wire ropes were opened, exposing the inner surfaces of the wire strands, which were found to be as well lubricated as the external surface of the wire rope.*
- *"The use of wire rope lubricators will contribute to a longer service life of wire rope and reduce the man-hours required to accomplish PMS."*

Letter from First Lt. C.P. Christoffersen. USS Camden (AOE-2) 1995

- *Installation and use of the Kirkpatrick Model JU120 System has cut wire rope cleaning and lubrication time by 50%, freeing up vital man hours to be used in other areas of necessity.*
- *Periodic maintenance requirements call for a specified section of wire rope to be cut back for external and internal inspection. The latest inspections have shown complete lubrication to the wire rope's core.*

U.S.S. Wasp (LHD-1), Training session incorporating hangar deck crane. 1997

- *400' of 1 1/8" load line lubricated. 75% of 5 gallon pail Dynagard Blue wire rope lubricant used. 3 gallons of previous MIL-G-18458B lubricant removed. Time from set up to completion of cleanup: 2 hours. Previous time frame to accomplish same project using manual methods: 1 full day, three men. One rag used for cleanup.*

Naval Surface Warfare Center's P2 AFLOAT Program. Evaluation completed 1999

- *System helps comply with wide range of laws, regulations, Executive Orders, and Navy policies establishing hourly maintenance reduction and pollution prevention goals and requirements*
- *Eliminates spent solvent and oily-rag waste streams*
- *Favorable return on investment (per ship) of \$ 652,000 savings over 10 years. with a two month break even point.*
- *75% labor reduction*

Navy Public Works Center, San Diego, CA., Ergonomics Case Study Nine. 1999

- *Use of the of the Kirkpatrick System reduced risk of fall injury, the inside and outside of the cable are cleaned, creates reduced time of completion, and the system uses 10% to 50% less grease.*
- *The system limits crane downtime and cranes are the biggest source of income for the Public Works Department. It has been tested and approved for Navy use.*

Peabody Coal, Kentucky, formerly American Commercial Terminals 1986

- *Purchased their system in 1982 for use on over 23 miles of 1 1/2" conveyor cable. This wire rope's replacement cost is in the one million dollar range. Subsequent to incorporating their wire rope lubrication system, their replacement schedule was every 5 to 6 years. They have now gone eight years without replacement.*

Article In United States Coast Guard's Aids To Navigation Bulletin 1986:

- *"We were rewarded by a system that not only lubricated the wire rope uniformly; it cleaned the surface and removed the moisture. An additional benefit was the tension it sets up on the wire rope while lubricating."*
- *"If each district purchased a system for it's individual sizes of wire rope, we could all have safer, easier, and most important, quality maintenance of wire rope."*

United States Coast Guard Aids to Navigation Bulletin 1997 Summer / Autumn Issues

- *At a minimum the rope should be lubricated semiannually. Always use a pressure lubricator.*
- *The recommended method for lubrication is the Kirkpatrick System.*

United States Coast Guard Aids to Navigation: Naval Eng. Logistics Manual (Chapter 613) 1999

- *"Dynagard Blue and Dynagard "E" as distributed by The Kirkpatrick Group are known to be more environmentally friendly, exceed MIL-G-18458 performance requirements, and have a history of use on Coast Guard Cutters".*
- *"Wire Rope Pressure type Lubrication Systems with a proven history of performance in Coast Guard applications include systems distributed by The Kirkpatrick Group, Dallas, Tx.*

Letter from Ed Swensson, Marine Sales Manager, West Coast Wire Rope, Portland Oregon 1989:

- *"I am writing this letter to tell you how impressed we are with the longevity and durability of your seal and scraper plates. We used a 3/4" set on 60,000 ft. of 3/4" 6x19 class IWRC that made up the topping, purchase and vang wires of deck mounted cargo booms on the Naval Reserve Ship USS Comet. We fully expected to replace this 3/4" seal and scraper plate kit after this job. This has not been the case. These seals and scraper plates have given us years and approximately 100,000 ft. of extra service."*

Esco Tower Communications, Ft. Worth, Tx. 1992:

- *The use of the Kirkpatrick System has shown that tower guy wire maintenance jobs, which normally take a week to complete, can now be accomplished in three days or less.*
- *"As we travel up the guy wire during the lubrication/coating process we can see water being forced out of the wire 3 to 4 feet in front of our basket due to the pressure being exerted internally by the lubricant/coating our system is forcing into the internal strands."*
--- Rick Estes, President

Magma Copper, Arizona 1991:

- *Wire rope life has increased by at least 30% due to the use of the Kirkpatrick System. This is based on Magma's findings that wire rope expectancy was only about 600 to 700 hundred thousand tons prior to incorporating the Kirkpatrick System into their maintenance program. The goal was 1,000,000 tons after purchase. They are now getting 1,300,000 tons before wire rope replacement according to mine personnel .*

International Salt Mines 1988:

- *Wire rope tensile strength loss has gone from 10% to 2% using their Kirkpatrick System. A reduction of 60% in lubricant consumption was also reported.*

Penwalt-Keystone Lubricants 1996

- *"Over the last few years, at my recommendation, numerous systems have been purchased by our mining customers to be used in conjunction with our lubricants. Kirkpatrick Systems thoroughly coat and lubricate. I have always been impressed with the amount of trapped water seen pouring from the rope as it exits the lubrication collar due to pressure being exerted in the internal strands as the lubricant is being applied. One of our customers in particular has saved several hundred thousand dollars in wire rope replacement." ----- W. Bischoff, Sales Manager*

Morton Salt, Louisiana 1995

- *"The life of our wire rope has noticeably increased due to the use of our wire rope lubrication system in the time I have been working here." ----- Mark Cunningham, Mine Superintendent 1995*

I.M.C. Salt, Lydia LA. 10/99

- *"Our Avery Island Mine uses their system regularly. Their ropes are lasting at least two years before replacement. We are replacing our hoist ropes every 10 months and do not use the system. As the new mine maintenance foreman, we are incorporating a system into our own operation as soon as possible."----- Brad Smith*

LaCompagnie CLIMAX Limite'e, Quebec 1998

- *"We recently demonstrated our Kirkpatrick SU120 System to Hydro Quebec. Our client was skeptical the system would be as good as we claimed. So we had him cut the rope and take it apart strand by strand. Of course the lubricant was right down into the very middle of the center core. He was extremely impressed. We are expecting an order very shortly." _____ Brian Ross*

Port Everglades Port Authority 1996

- *"We purchased three systems for our new South Port Cranes. Our maintenance personnel are very impressed with the coating and speed of lubrication which occurs when compared to the old methods of wire rope lubrication we used previously." ----- Harry Dababy, Superintendent*

Teck Corona Gold Mine 1987:

- *Wire Rope used in upshaft ventilation was being lubricated at 50 ft. to 60 ft. per minute using a grease funnel installation. Since purchasing their Kirkpatrick System, lubrication speed has been increased by 100%. Mine personnel estimate the life of their wire rope has been increased by 50% to 90%.*

United States Army Corps Of Engineers (Information Bulletin, Walla Walla District Public Affairs Office) 1995

- *The Lucky Peak Staff became aware of a wire rope cleaning/lubrication machine manufactured by the Kirkpatrick Company. "We used it for the first time this year and estimate that it has cut our maintenance time by 50%. It has also significantly reduced several safety hazards associated with our previous cleaning methods," said Dave Brownell, project manager.*