

Leading Indian Electrical Cable Manufacturer improves maintenance efficiency With WIRE ROPE Lubricants



OVERVIEW

INDUSTRY SEGMENT

Electric cable manufacturing

EQUIPMENT

Hydra (Crane), TIL Ltd. (Escort) Make 8 Ton Crane

APPLICATION

Wire Rope

CHALLENGE

Wire rope breakdown at core leading to high breakdown maintenance and restricted movement

EXPECTATION

Complete protection of Wire rope and enhanced service life

RECOMMENDATION

MOSIL WR 100

BENEFITS


Extended the Rope life
Maintain flexibility
Minimizing the internal wire stand Break
Protect damage from rust and corrosion

INTRODUCTION

Statistical surveying predicts that the electric wire and cable market in India will grow consistently in future. The wire and cable industry analysis identifies the growth in renewable power generation to be one of the primary factors for the growth of the electric cable and wire market. The focus of several countries across world to commercialize renewable power generation will create a significant demand not only for electrical wires and cables but also wire ropes for a smooth conduct of work process of various applications.

Experiencing this business growth, one of the leading Indian cable manufacturer with widest product range that has been established since 1962 were seeking a solution to their current issue of Wire Rope Breakages during operation.

MOSIL studied their challenges and discussed their expectations prior to providing them with a solution by way of a unique wire rope grease that not only increases the wire rope's service life but also helped the customer to save Lakhs of rupees over the overall maintenance of the wire rope.



**"Not just the wire rope cost,
but also the Labour cost has
been reduced"**

SOLUTION

MOSIL offered a solution that covered all the challenges faced by the company. MOSIL WR – 100, a high quality Industrial lubricant blended with solid lubricants and additives such as rust prevention and corrosion protection, anti oxidants etc. was offered as a solution to the current challenges of the customer. Special additives that are incorporated in the product modified the surface tension of the product to help it penetrate to the inner most cores of the wire rope.

This not only provides high antiwear and load carrying capacity but also provides rust protection and oxidation stability for high temperature and heavy duty applications. The boundary lubrication provided by Molybdenum reduces the standard wear and enhanced the life of the Wire Rope

RESULTS

- Extension of the Rope life up to three year from one year.
- Flexibility of the rope was maintained during the long service operations.
- Maintained strength by minimizing the internal wire stand Break
- Wire Ropes were able to operate in humid environment without any interruption.
- Enhanced protection from damage due to rust and corrosion.



Get in touch with our Technical Services team to know how MOSIL can solve your lubrication challenges.