

cranedge

upkeep . upgrade . upraise




The Case Of The **Snapped Rope**








WE DON'T KNOW HOW THIS HAPPENED.




THE WIRE ROPE IS FRAYED IN MULTIPLE PLACES AND HAS SNAPPED, CAUSING THE ACCIDENT.




THE STEEL COIL THAT THE CRANE WAS CARRYING IS SEVERELY DAMAGED.



THE ROPE GUIDE IS BROKEN.




WE WERE FORTUNATE TO AVOID A FATAL ACCIDENT. THERE WILL BE A LOSS OF PRODUCTION LEADING TO CONSIDERABLE FINANCIAL LOSS. WITH A LOSS TO LIFE, WE COULD HAVE MAJOR UNION AND LABOUR PROBLEMS.



WE COULD ALSO HAVE PROBLEMS WITH THE FACTORY INSPECTOR ABOUT THE SAFETY MEASURES IN THE PLANT.


HOW CAN WE QUICKLY AND EFFECTIVELY SOLVE THIS PROBLEM?



OUR PRIORITY IS TO GET THE CRANE REPAIRED AND THE PRODUCTION BACK ON TRACK AGAIN.



I KNOW THE WAY OUT.



LET'S CALL CRANEDGE!



CRANEDGE? THERE HAS BEEN
AN ACCIDENT AT OUR FACTORY.



DON'T WORRY SIR. OUR TEAM
WILL REACH YOUR FACTORY ASAP!!

CRANEDGE TEAM AT WORK





HOW DID THIS HAPPEN?

SIR, WE PERFORMED A DETAILED FAILURE ANALYSIS WHICH CONCLUDED THAT THE STEEL COIL WAS BEING CROSS PULLED.

WHAT DOES THAT MEAN?

WHEN THE OPERATOR WAS TRYING TO LIFT THE STEEL COIL, HE DIDN'T POSITION THE CRANE EXACTLY OVER THE STEEL COIL, BUT AT A CERTAIN DISTANCE AWAY FROM THE COIL.

AFTER SLINGING, AS THE HOISTING MOTION COMMENCED, THE LOAD COIL WAS BEING PULLED AND LIFTED AT THE SAME TIME. THIS IS WHAT TYPICALLY HAPPENS DURING CROSS PULLING. IDEALLY THE LOAD HAS TO BE ALWAYS LIFTED VERTICALLY.

DUE TO CROSS PULLING, THE ANGLE OF LIFTING DEVIATED FROM THE VERTICAL AND THIS REDUCED THE RATED CAPACITY OF THE WIRE ROPE. MOREOVER, THE WIRE ROPE JUMPED OUT OF THE ROPE DRUM GROOVES AND GOT ENTANGLED. THIS ALSO LED TO JAMMING OF THE ROPE GUIDE.

REPETITIVE OCCURRENCES LED TO ULTIMATE FAILURE OF THE WIRE ROPE DUE TO ITS UNWARRANTED WEAR AND TEAR. THIS ALSO LED TO BREAKING OF THE ROPE GUIDE.

FURTHERMORE, CROSS PULLING DRAGGED YOUR COIL ON THE SHOP FLOOR AND THIS DAMAGED NOT ONLY YOUR COIL BUT ALSO YOUR FLOOR.

DURING SUCH WRONG PRACTICE, THERE IS AN INHERENT THREAT OF THE LOAD SWINGING HAZARDOUSLY ONCE IT IS OFF THE GROUND, AS THE LIFTING IS AT AN ANGLE. YOUR COMPANY HAD A NARROW MISS IN THIS REGARDS, AS A SWINGING LOAD CAN LEAD TO SERIOUS ACCIDENTS.

SIR, WE HAVE REPLACED THE WIRE ROPE AND ROPE GUIDE. WE HAVE RESTORED THE CRANE AND CONDUCTED TESTS TO ASCERTAIN SMOOTH OPERATION OF YOUR CRANES. THE RELEVANT REPORTS ARE ON YOUR TABLE!



I AM GLAD WE CHOSE CRANEDGE! YOU HAVE PREVENTED FURTHER DELAYS AND LOSSES. WE CAN NOW ACHIEVE THE COMMITMENT PROMISED TO OUR CUSTOMERS.

BASED ON YOUR ANALYSIS WHAT DO YOU SUGGEST?

TO ENSURE PROPER PRACTICES OF CRANE OPERATION WE SUGGEST YOU CONSIDER OUR OPERATOR TRAINING PROGRAM.



ADDITIONALLY WHAT CAN YOU DO, TO HELP US MAINTAIN OPTIMUM PRODUCTIVITY OF OUR CRANES?

SIR, I WILL RECOMMEND YOU TO SIGN UP FOR OUR PROACTIVE ANNUAL MAINTENANCE CONTRACT. THIS WILL NOT ONLY ASSURE YOUR CRANES OPTIMUM PRODUCTIVITY, BUT ALSO ENHANCE THE PERFORMANCE BY ENSURING MAXIMUM UPTIME THROUGH PERIODIC INSPECTIONS AND MAINTENANCE.



THE CRANEDGE OPERATOR TRAINING EDUCATES OPERATORS ON THE BEST PRACTICES FOR SAFE CRANE OPERATION. IT ALSO COVERS THE BASICS OF PREVENTIVE MAINTENANCE AND VISUAL CHECKS THAT OPERATORS SHOULD CARRY OUT TO REDUCE CHANCES OF A SUDDEN BREAKDOWN.

OUR ANNUAL MAINTENANCE CONTRACT OFFERS A STRUCTURED SCHEDULE FOR OPTIMUM MAINTENANCE OF YOUR CRANES.

IT ALSO HELPS YOU IDENTIFY PROBLEMS THAT MAY CROP UP BEFORE THEY AFFECT YOUR PRODUCTION.



FINALLY, WE HAVE OVERCOME THE PROBLEM!



AND WITH CRANEDGE BY OUR SIDE. TAKEN THE RIGHT STEP TO AVOID SUCH A SITUATION IN THE FUTURE.