

**cranedge**

upkeep . upgrade . upraise

THDAMMM

# The Case of The Runaway Hook

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SO, HAVE YOU UNDERSTOOD EVERYTHING?  
NOTHING CAN GO WRONG AS LONG AS YOU  
FOLLOW INSTRUCTIONS AND  
SAFETY MEASURES.  
NO REASON TO WORRY ABOUT ANYTHING!  
OUR SHOP FLOOR IS FOOLPROOF!

A FEW HOURS LATER...



WHAT'S THE MATTER?



SIR, THERE IS A SMALL  
PROBLEM.



THERE HAS BEEN AN ACCIDENT.

WHAT ?


YES SIR. OUR CRANE'S HOOK BLOCK  
CRASHED IN THE ASSEMBLY BAY.



LET'S TAKE A LOOK AT ONCE.








A man wearing a yellow hard hat with 'FOREMAN' written on it and a light blue shirt. He is looking down with a concerned expression at the damage below.

OH MY GOD ! HOW DID THIS HAPPEN?




A yellow circular metal cover with a central hole, showing signs of impact and deformation.

THE LOWER HOOK BLOCK COVER HAS SUFFERED DAMAGES.




A thick, dark metal wire rope that has been snapped in the middle, with frayed ends.

THE WIRE ROPE IS SNAPPED.




Several circular metal components, including pulleys and bearings, which are cracked and deformed.

THE PULLEYS AND BEARINGS ARE DAMAGED.




A yellow crane hook block with a blue bearing at the top, showing a significant dent and deformation.

THE CRANE HOOK BLOCK IS DENTED.



A large, irregular crack in a brown floor surface, surrounded by jagged white lines indicating the impact area.

THE FLOOR IS DAMAGED.



A man wearing a yellow hard hat and a blue shirt, looking up with a concerned expression at the damage above.

THE HOOK BLOCK BANGED INTO THE CRAB FRAME. THIS CAUSED THE WIRE ROPE TO SNAP AND THE HOOK BLOCK CRASHED INTO THE ASSEMBLY BAY WHICH NARROWLY MISSED FALLING ON THE 5 AXIS CNC MACHINE AND ITS OPERATOR.





THIS IS A MAJOR ACCIDENT  
IT WILL AFFECT US GREATLY IN TERMS OF  
REPAIRS, PRODUCTION AND  
ON-TIME DISPATCHES. IT HAS ALSO DELIVERED  
A BLOW TO OUR SAFETY RATINGS.

THE OVERHEAD CRANE IS UNAVAILABLE.  
WHICH MEANS NO MORE PRODUCTION  
CAN HAPPEN TODAY !

WE MUST INFORM THE BOSS !



OUR PRODUCTION HAS BEEN  
IMPACTED AT A VERY WRONG TIME.  
THE BREAKDOWN OF THE OVERHEAD  
CRANE WILL DELAY THE DISPATCH AND  
IMPACT A VERY CRUCIAL DELIVERY.

IT WILL TAKE A COUPLE OF DAYS TO  
ASSEMBLE AND DELIVER OUR PRODUCT.

A MINOR MISTAKE HAS CAUSED US A GREAT LOSS.  
FIRST, WE NEED TO MAKE AMENDS .



HOW DO WE DO THAT, SIR ?



WE SHOULD HAVE TAKEN THIS STEP EARLIER.



HELLO, CRANEDGE ?



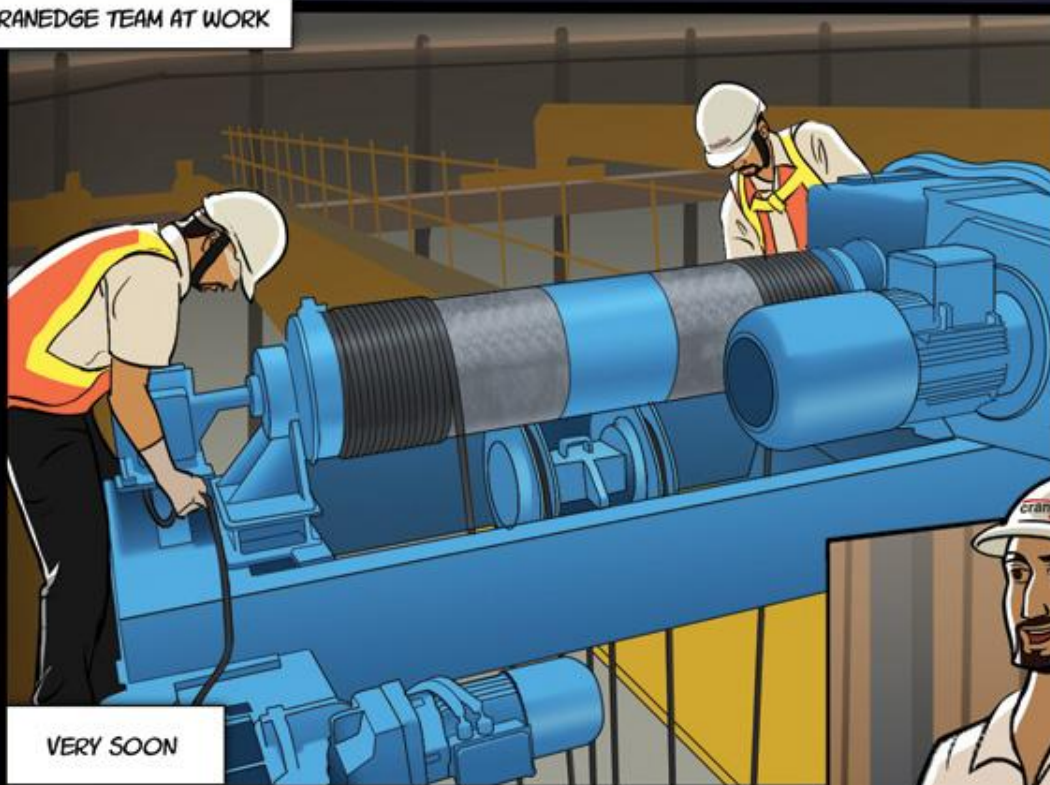
WITHIN A SHORT TIME, THE CRANEDGE TEAM ARRIVES ON THE SCENE..



WELCOME ! THAT WAS REALLY PROMPT.

THANK YOU SIR, QUICKEST RESPONSE  
IS A PROMISE TO OUR CUSTOMERS.  
WE BELIEVE THAT  
EVERY PROBLEM NO MATTER HOW SMALL  
SHOULD BE ADDRESSED ON PRIORITY.

CRANEDGE TEAM AT WORK

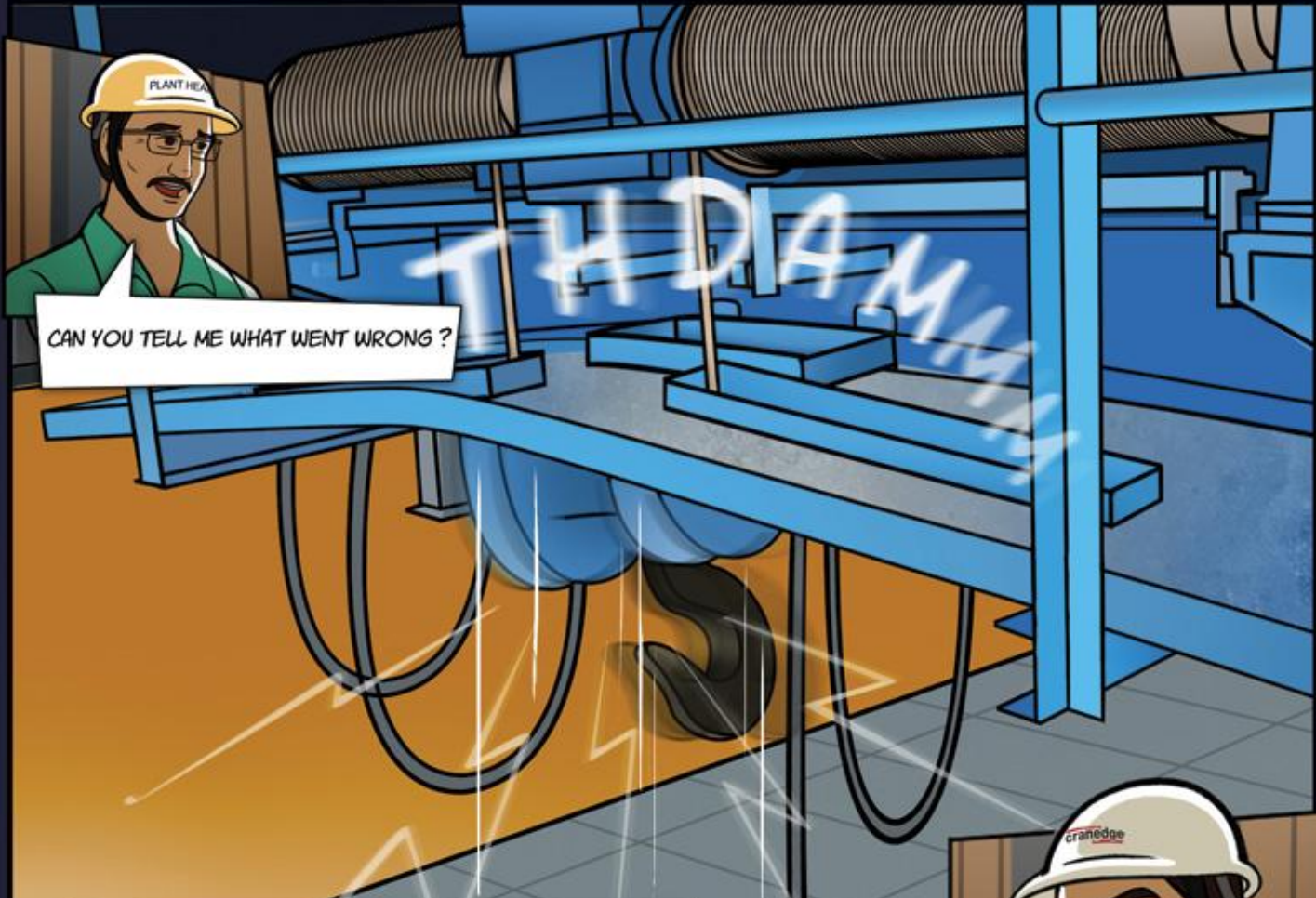


VERY SOON



WE HAVE RESOLVED THE ISSUES, SIR.





CAN YOU TELL ME WHAT WENT WRONG ?

THE HOISTING LIMIT SWITCH ON THIS CRANE WAS NOT FUNCTIONING ! SO THE HOISTING MOTION DID NOT STOP AND THE HOOK BLOCK HIT THE CRAB FRAME, BENDING THE CRAB FRAME. THE TENSION CREATED IN THE WIRE ROPE LED IT TO BE STRETCHED, ULTIMATELY SNAPPING. THIS CAUSED THE HOOK BLOCK TO CRASH ON TO THE GROUND.



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WE HAVE REPLACED THE WIRE ROPE, CHECKED THE HOOK FOR DAMAGES, RE-ASSEMBLED THE HOOK BLOCK AND MADE THE HOISTING OPERATIONAL. THE CRAB ASSEMBLY AND STRUCTURE HAVE BEEN REPAIRED AND ALL DAMAGED PARTS HAVE BEEN REPLACED.

WE HAVE REPLACED THE OLD HOISTING LIMIT SWITCH WITH A ROTARY TYPE LIMIT SWITCH AND TESTED IT FOR VARIOUS CONDITIONS. THIS SWITCH ACTS IN TWO STAGES TO ENSURE THE UTMOST SAFETY ON YOUR SHOP FLOOR.



THANK YOU SO MUCH ! I WAS REALLY WORRIED ABOUT GETTING PRODUCTION BACK ON TRACK AGAIN. YOUR PROMPT ACTION HAS MADE IT POSSIBLE.

EVEN THE SMALLEST PROBLEM OVERLOOKED CAN CAUSE SERIOUS ISSUES. IN THIS CASE, IT WAS MERELY A LACK OF PREVENTIVE MAINTENANCE.

AS YOU HAVE NOW ENROLLED TO OUR PROACTIVE CRANE AMC, YOU CAN EASILY MONITOR THE PARTS WITH THE HELP OF CRANEDGE'S PROBLEM RECTIFICATION SHEET. THIS ENABLES YOUR OPERATORS TO PERFORM VISUAL INSPECTION FOR DAMAGE ON A DAILY BASIS. AMC ALSO PROVIDES A SYSTEMATIC MAINTENANCE SCHEDULE ENSURING EVERY PROBLEM IS RECOGNIZED EARLY AND RECTIFIED WITHIN TIME.





THE CRANEDGE OPERATOR TRAINING EDUCATES THE OPERATORS ABOUT THE BEST PRACTICES TO FOLLOW WHILE OPERATING THE CRANE AND HANDLING LOADS SAFELY. IT ALSO COVERS THE BASICS OF PREVENTIVE MAINTENANCE WHICH HELPS TO REDUCE THE CHANCES OF A SUDDEN BREAKDOWN.



THANKS FOR YOUR EXCELLENT SERVICE. I AM COMPLETELY AT EASE NOW KNOWING MY CRANES ARE IN GOOD HANDS.

