

MINING

Case Study – Drill Rod Manufacturer Industry: Mining

Problem: Drill rods manufactured in Canada need to be shipped all over the world for use. These can not be painted and are therefore unprotected as they are loaded and shipped on containers throughout the world. Corrosion quickly attacks the unprotected steel.

Effect: There is too much rust on the steel rods when they reach their destination. Strength of the rods is an extremely important issue and any corrosion weakens the strength of the rods. This results in scrapped rods even though they've never been used. Those rods must then be returned adding to the cost of the problem.

Recommendation: Krown KL-73 was recommended to help prevent corrosion on these rods. The rods are shipped in bundles so hard coatings were not an option and stagnant coatings like wax oils were also ineffective. After testing six different products in an ASTM B-117 Salt Spray Cabinet test, KL-73 was accepted as the highest standard.

Result: A drastic reduction in the amount of scrapped and returned drill rod from corrosion related issues. As well, customers appreciate that they do not have to clean the rods before use as KL-73 is environmentally friendly containing no solvents and does not compromise the rod grease that they use for drilling.

Cost Saving: A fixed cost saving has yet to be assigned to this case.