



BOTTLING PLANT

Case Study – Soft Drink Manufacturer Industry: Bottling Plant

Problem: Chains driving bottling plant operations are extremely loud and are running inefficiently due to not having proper lubrication. Proper lubrication is difficult to achieve because of the requirement to use a CFIA approved lubricant and the ones found were not accomplishing what was needed.

Effect: The workplace is difficult to work in because of terrible noise. Additionally there is more power being used than should be because the chain is not properly lubricated and is not running smoothly and efficiently. The life of the motors, sprockets, gears, and chain will all be shortened.

Recommendation: Due to the fact that it has approval for use in food plants from CFIA, Krown KL-FSM was recommended to lubricate the chain. The upsides to this product were many including, food approval, small quantities needed so as to avoid over spray and mess, and it does not leave a build up of residue keeping the plant looking clean.

Result: Within 10 minutes of application the noisy chain was all but silenced to the relief of all works and management. Additionally, the line is running more smoothly and drawing less amperage to run the electric motors that drive the chains. Chain life will be lengthened as will motor assembly, gear and sprocket life.

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