Bluffton Motors-WEG Group’s HydroDuty Motor Saves Customer Thousands of Dollars in Lost Production

$36,240
Cost Savings
Reduced Downtime
Reduced Maintenance

Issue
A large frozen-food processing plant was having to replace a 2hp motor on a high-volume mixing machine every 3 to 4 weeks. Replacing the motor took a minimum of 30 minutes downtime causing lost production of $2,400 per event.

Solution
Motion Industries and Bluffton Motors Works reviewed the application and recommended upgrading to the HydroDuty Motor 1311017114. The stainless steel wash down motor, protected inside and out by a submersible motor technology, is designed for unequaled operation in wash down and other corrosive environments.

After 12 months in operation, the motor has not failed, eliminating the costly downtime of lost production as well as reducing the need to purchase additional motor stock. The customer has saved more than $36,000.

To help your plant realize a similar savings, contact your local Motion Industries representative.
SUCCESS STORY

INDUSTRY – Food Processing
APPLICATION – Mixer application

Bluffton Motor Works-Weg Group, saves Food Processing Company
Hours of Downtime and Reduced Lost Production Time by 92%

Challenge
A national food processing company was replacing a 2hp motor on a high volume mixing machine every 3-4 weeks causing a minimum of 30 minutes downtime. This required spending over $10,000 on new motors over the course of the year and a minimum of $2,400 of lost production each time the motor had to be replaced.

Solution
Bluffton Motor Works and Motion Industries reviewed the application and proposed upgrading the existing motor to a Bluffton Hydro-Duty Motor, model 1311017114. Over the course of a 12 month period the Bluffton Hydro-Duty motor did not fail, eliminating the costly downtime of lost production and saving the company in excess of $36,000. In addition, there was a reduced need for additional stock of 2hp motors and the maintenance crew had more time to focus on other more productive preventive maintenance projects.

Total Cost Savings Calculation

Downtime Cost
Downtime costs per minute $80
Minutes of downtime per replacement x 30
Cost of lost production per event $2,400
Number of replacements per year x 11
Total annual downtime cost $26,400

Motor Savings
Annual cost of original motors $10,843
Annual cost of Bluffton motor $1,003
Total annual motor savings $9,840

Total Annual Cost Savings $36,240