



CONTEXT OF THE CUSTOMER'S CHALLENGE

Area: USA

Market: Food & Beverage / Poultry Production

Application: A pair of waste conveyor screws (feathers and organs) was suffering recurring bearing failure which cost over 12 400 € in downtime and maintenance.

Environment:

- Stainless steel flange Bearing Unit (BU) with 4 fixing holes, food grease
- Production shutdown for BU maintenance planned every 1.5 months
- Daily high pressure washing
- Important pollution due to waste conveying

Customer need:

Decrease the production shutdown as well as maintenance interventions.

RESULTS

Significant success because the uptime production has grown by 400%. Thereby, the maintenance interventions to change BU have been planned every 6 months and the Bearing Unit consumption divided by 4.

Because the SENTINEL™ BU doesn't need to be re-lubricated, some additional added values have been confirmed from the customer regarding grease consumption.

The re-greasing campaigns have been totally removed.

NTN RECOMMENDATION

- After expertise, recommendation of SENTINEL™ product with solid lubrication reference NSF-H1
- The use of our SENTINEL™ LUBSOLID™ SUCF205FG1, completely interchangeable with the basic installation, is recommended

FINANCIAL BENEFITS

- Uptime improvement: 110 000 €
- Maintenance reduction: 11 000 €
- Reduced acquisition cost: 4 000 €
- **Documented cost saving 125 000 €**

ADDITIONAL ADDED VALUES

- Removal of re-greasing maintenance campaigns
- Grease consumption hugely decreased