



Context of the customer's challenge

Area: France

Market: Food & Beverage / Beer production

Application: Conveyors systematically polluted by excess of beer. Necessity to clean them frequently. Both are strongly aggressive for mechanical equipment such as bearings

Environment:

- Steel Bearing Unit (BU) with 2 fixing holes, food grease
- BU maintenance, 2 or 3 times per year
- Periodic re-greasing to avoid bearing damage and shutdown production but causing many grease leaks
- Weekly high pressure washing

Customer need:

Find a solution to improve bearing lifetime in order to reduce maintenance interventions but also to avoid campaign of re-lubrication

NTN recommendation

- After expertise, recommendation of SENTINEL™ product with solid lubrication referenced by NSF-H1
- The use of stainless steel bearing unit SENTINEL™ SUCNFL206FG1 is the solution to meet customer requirements
SENTINEL™ products are composed with LUBSOLID™, a polymer matrix filled with oil which works like a barrier against all contamination. Oil is protected inside the matrix and not polluted by beer and/or water



CUSTOMER BENEFITS

- No leakage
- Removed re-greasing campaigns
- Extended bearing life time

PRODUCTIVITY

- **Bearing purchase budget already divided by 3**
- Strong reduction of grease consumption
- Saved time for the maintenance team

Results

After 1 year of working, SENTINEL™ bearings are continuing to work perfectly: « Concerning the LUBSOLID™ self-aligning bearing without maintenance, it gives me complete satisfaction. I had our purchaser on the telephone and I gave him my positive opinion on your bearings », explained the maintenance manager from this beer producer



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