

NTN's Solid-Housed SPAW Heavy-Duty Bearing Units Help Cement Facility Buck Costly Downtime

A leading cement manufacture was experiencing frequent bearing failures on their bucket elevator due to serious contamination from cement dust and other fine particulates. The downtime was causing issues with production and driving up maintenance cost, resulting in a yearly cost of over \$155,000.

NTN's Engineering and Sales support team reviewed the bucket elevator and assessed the failed bearings. It was determined that the SAF style units the facility had been using were only lasting 3 months due to exposure to contamination during installation.

The NTN Solution

NTN's team of experts recommended that the facility switch to the SPAW Series of heavy-duty, mounted roller bearing units with open end covers. Our SPAW heavy-duty mounted units are a one-piece solid ductile housed bearing unit that arrives factory greased with preset C3 clearance and features a robust spring-loaded contact seal. Additionally, end covers provide extra maximum protection from contamination.

The Result

The NTN solution lasted 10 times longer! The SPAW heavy-duty bearing units with two open covers successfully ran for over 30 months without a single failure, compared to the original bearings that were failing every three months. The increased bearing life, decreased downtime and reduced acquisition cost resulted in over \$161,000 in annual cost savings.



VALUE ADDED BREAKDOWN

UPTIME IMPROVEMENT

\$133,920

REDUCED ACQUISITION COST

\$20,688

MAINTENANCE REDUCTION

\$7,344

DOCUMENTED COST SAVINGS

\$161,952

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