

NTN's Green Line Bearing Units Increase Life on Clay Drying Conveyor

A leading manufacturer of pet care products was experiencing regular production halting bearing failures on its clay drying conveyors used in the production of cat litter. The failures resulted in \$144,000 of annual downtime expenses.

NTN's engineering and sales support team performed a thorough evaluation of the facility's conveyors and determined the competitor's bearings were failing every two months as a result of contamination from the clay dust created by the production process.

The NTN Solution

NTN's team recommended that the competitor's bearings be replaced with our Green Line pillow blocks. Green Line, NTN's tried-and-true line of mounted bearing units, incorporates a unique seal and flinger design in the bearing insert to protect against contamination. Furthermore, Green Line units are cap capable, allowing for the installation of external covers on the bearing housing in this application. These robust covers protect the bearing from both large and small contaminants with optional cast iron construction and the inclusion of a double-lip seal designed to accept shaft misalignment. The result is additional protection in highly contaminated environments such as this one.

The Result

Our Green Line pillow block with caps successfully ran for 14 months; a 600% increase in uptime compared to the competitor's bearing. The increase in bearing life, reduced maintenance, and decrease in bearing spend resulted in over \$129,000 in annual savings for the facility.



VALUE ADDED BREAKDOWN

UPTIME IMPROVEMENT

\$124,800

REDUCED ACQUISITION COST

\$2,434

MAINTENANCE REDUCTION

\$2,320

DOCUMENTED COST SAVINGS

\$129,554

CS-1021



**ANNUALIZED
COST SAVINGS
\$129,554**

NTN GREEN LINE FEATURES & BENEFITS



- Optimized lubrication hole design to ensure proper relubrication is achieved, even under the misalignment capability of $+/2^\circ$
- Fully assembled units arrive factory sealed and pre-lubricated for easy installation
- Premium protection from contaminants due to unique flinger design and elastomeric seal
- Heavy-duty, solid-cast housings & robust steel cages for optimal load & shock stability
- Ball-point set screw offers 7.5x longer retention life over cup-point set screws

We will help you sort through your options.

We're here to help you achieve your productivity and performance goals. For more information, contact your NTN Sales Representative or call **1.888.412.4122**. For technical questions, email techsupport@ntn.ca.

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